

Stink Stompers Training Manual

Volume 1



**WARNING: Always wear appropriate respirator and goggles as noted on MSDS. The product is a lung irritant and proper precautions must be taken. Do not inhale*

vapor. Always wear protective clothing. Mix gas and leave immediately. Do not enter area gassed for the proper duration of recommended time for treatment, plus a 30-minute air out time before re-entry. Do not begin gas treatments until you have read all instructions for proper applications, warning precautions, and usage!!! You are using this product at your own risk; Stink Stompers / KMW Group LLC, is not responsible for any damage or injury from mentioned product. Always be safe and caution when using any chemical or products, thank you.

Now, Let's Make Some Money Folks!!!

This Training Manual Will Show You Step by Step How to Use and Set Up Your CLO₂ Gas Systems.

Tab/Kit	A Bucket Water	B Bucket Water
20g tab	4oz each cup	n/a
100g tab	1/2 Gallon	n/a
50g kit	1/4 Gallon	1/4 Gallon
100g kit	1/2 Gallon	1/2 Gallon
500g kit	1 Gallon	1/2 Gallon

Welcome to Wonderful World of Chlorine Dioxide

50g, 100g and 500g kits Require 2 buckets

Most people have never heard of Chlorine Dioxide (clo₂). Or else they think its bleach (which is Sodium Hypochlorite or NaClO). Like bleach, clo₂ is used as a sanitizer and bleaching agent. Unlike bleach, clo₂ is safe to use, does not leave toxic residue. Chlorine dioxide oxygenates products rather than chlorinating them. Clo₂ is considered a “friendly” Deodorizer, Sanitizer and Disinfectant.

There are a lot of pathogenic organisms out there that can cause chaos.

Clo₂ is highly effective on most bacteria, virus, fungi, mold spores, algae, and blood borne pathogens, protozoa, yeast and biofilms.

Some names you might recognize are;

Legionella – Salmonella – Cryptosporidium – Giardia Cysts – Coliforms

Listeria – Shigella – Staph – Norovirus – Influenza – Anthrax – Cholera

E-coli – Hepatitis – Hepa Virus – EBOLA – D-Cliff – MARS – MERSA

Where Microbes Lurk

There are lots of places we tend to forget when sanitizing our homes and work places. A towel sprayed with clo₂ and used to wipe surfaces is an excellent way to reduce colds and flu. Just some of the “forgotten” places are;

Door Knobs, Phone receivers, Cell phones, Computer key boards, Computer mouse, Lotion bottle, Stapler, Purse & Briefcase handles, Toilet flusher

Sink fixtures, Washer & drier knobs, Light switch plates, Printers & copiers,

Fax machines, just to name a few.

Problem with Mold/Mildew

Bathrooms are notorious for mold, especially on the grout. They tell you not to use harsh chemicals on the tile because the chemicals may deteriorate the grout.

Here is where Clo2 works wonders. It is non-corrosive, so it cannot hurt the grout.

Yet, it packs a powerful punch when it comes to attacking mold/mildew and algae.

Not all molds are visible, so it is wise to rinse down the entire tile, floor, tub & the toilet. Use the spray liberally and do not wipe dry, let it set for at least 15 minutes. The great thing about clo2 is that it also kills spores (bleach does NOT). Alcohol, a standard disinfectant, actually can cause bacteria to go to the spore stage which can make the organism survive for years, decades and even centuries.

What is the Difference between Chlorine Dioxide & Chlorine Bleach?

Unfortunately, the word “chlorine” is found in both Chlorine Dioxide (clo2) and Chlorine Bleach (NaClO). This has led to a lot of confusion.

Chlorine Dioxide

- Does NOT release free chlorine
- Does NOT release harmful byproducts
- Highly effective on bacteria, virus, protozoa, algae, fungus
- Long term residual disinfection effectiveness
- Non-corrosive, does not react with ammonia
- Microbes do not build resistance
- Broad spectrum antimicrobial
- Kills spores
- Effective at a wide range of ph.

VERSUS:

Chlorine Bleach

- Releases free chlorine
- Releases harmful hypochlorous acid
- Very low disinfection on bacteria, virus, protozoa, algae, fungus
- Shorter effectiveness on water treatment

- Corrosive
- Very toxic reaction with ammonia
- Microbes build resistance to bleach
- Narrow spectrum antimicrobial
- Does not kill spores
- Reaction greatly affected by ph.

Chlorine Dioxide (Clo2) Info

Chlorine Dioxide is the most powerful deodorizing product available currently. It can be used in liquid form to attack the source of the odor and it can be used as a gas to attack the residual odors that have adsorbed and absorbed into the materials and structure of homes, offices, cars, RV's, Boats and any enclosed structure that has a mal foul odor that needs to be completely removed.

It leaves no harmful residue and completely eradicates all odors regardless of their type and intensity.

In addition, Chlorine Dioxide can be used to sanitize and destroy harmful bacteria that cause odors and disease. Difficult problems such as MERSA and other problematic bacterium are no match for Clo2.

If you are dealing with mold and mildew, this is the answer for elimination of and passing any Mold Spore count test by an Industrial Hygienist. Following simple, easy to use instructions, anyone can effectively reduce the presence of mold and mildew and their accompanying spores to less than ambient levels.

CLO2 Will Eliminate & Control
Problematic Odors, Bacteria, Viruses, and Fungi

- **Cigarette smoke odor in vehicles, homes, clothes, campers & furniture**
- **Fire smoke odor in homes, commercial buildings, clothes, furniture & other enclosed areas and personal possessions**
- **Oil Field Industry/ H2S gas emissions, crude oil, hydraulic oil, diesel, gasoline & other petroleum odors**
- **Marijuana, meth, cocaine, heroin, opium, hashish & many other narcotic odors**
- **Musty odors in basements**
- **HVAC drain pans**
- **Cat urine odor**
- **Dog urine and dander odor & eliminates Provo**
- **Skunk odor**
- **Dead animal odors**
- **Crime scene odors**
- **Incense odors**
- **Mold odors (See page 2)**
- **Book mold and its' odors**
- **Air duct system molds and odors**
- **Auto/bus/truck/tractor/RV gasoline & diesel odor**
- **Military/Law Enforcement vehicle, body armor, gear & personal cell odors**
- **Fire Dept./vehicle, body gear odors & eliminates MRSA**
- **Hunting gear scent and odors**
- **Sport/Work protective gear and shoe odors & eliminates MRSA**
- **Locker room odors & eliminates MRSA**
- **Gym facilities/shower/locker & equipment odors & eliminates MRSA**

- Trailers/Campers carpet & furniture Formaldehyde odors
- Hotel/Home liquor odor
- Nursing Home odors
- Health Care facility odors
- Public/Portable toilet odors
- Public transportation odors
- Sewage odors
- New paint odor
- Burnt/Rotten food including fish/shellfish/meat/poultry/eggs/spices and other odors
- House Boat/Yacht diesel, bilge, and head odors
- Wetsuit odor
- Bedbugs - 100% Elimination of all 5 stages (As of 2012)
- Ebola (as of 2014)
- D-Cliff (as of 2014)
- Hepa (as of 2014)

Bacterial

- E.Coli
- Legionella
- Pneumophilia
- Streptococcus Facalis Bacillus
- Clostridium
- Amoebae
- Giardia
- Cryptosporidium
- Pseudomonas

Molds Clo2 is known to eliminate

- Alternaria
- Ascospores
- Aspergillus/Penicillium
- Basidiospores
- Bipolaris/Drechslera group
- Cercospora/Pseudocercospora
- Chaetomium

- **Cladosporium**
- **Cladosporium sp.**
- **Cladosporium sphaerospermum**
- **Curvularia**
- **Epicoccum**
- **Fusarium**
- **Helicospores**
- **Myxomycetes/Periconia/Smuts**
- **Nigrospora**
- **And Many More**

CLO2 is perfect for Homes, Basements, Apartment Buildings, Hospitals, Nursing Homes, Heath Care Facilities, Law Enforcement Facilities, Hotels, Motels, Commercial Buildings, Warehouses, Restaurants, Bars, Gyms, Containers, Kennels, Dumpsters, Storage Units, Cabins, Yachts, Shipping Containers & all types of Vehicles!

Chlorine Dioxide is the most powerful deodorizing product available currently. It can be used in liquid form to attack the source of the odor and it can be used as a gas to attack the residual odors that have adsorbed and absorbed into the materials and structure of homes, offices, cars, RV's, Boats and any enclosed structure that has a mal foul odor that needs to be completely removed.

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Where Chlorine Dioxide is being used everyday

1. Hotels, Motels, Inns, Resorts
2. Apartments, Condos, Property Mgt. Companies, Home Rental Companies
3. Real Estate Companies, Brokers, Agents, Home Inspectors
4. Mobile Home Mfg., Mobile Home Parks, New and Used Mobile Home Dealers, Mobile Home Service & Maintenance Companies
5. Insurance Companies, Mortgage Companies, Banks
6. Oil Field Industry (Kills H2S)
7. Auto Mfg., Auto Dealers, Auto Repair, Auto Parts Stores, Auto Painters, Auto Rental Companies (Airports best Places), Limo Companies, Taxi Companies
8. RV Mfg., RV Dealers, RV Repair Companies, Camper Dealers, Camper Repair Companies
9. Truck Mfg., Trucking Companies, Truck Hauling Companies, Truck Rental Companies, Trailer and Shipping Container Companies
10. Aircraft Mfg., Aircraft Repair, Aircraft service & Maintenance Companies, Airports, Airline Companies
11. Boat, House Boat & Yacht Mfg. Companies & Storage Companies, Lake Cabin Rentals, Lake Parks Bathrooms, Beach Bathrooms, Bait Shops, Hunting Gear Shops & Scent Removal

12. Public Transportation, Buses, Vans, Trains, Rest Stop Bathrooms
13. Septic tank Companies, Public/Portable Toilets
14. Air Conditioning & Heating Companies (Air Duct systems)
15. Military, Police, Fire Departments, (Body Armor)
16. Schools, Bathrooms, Locker rooms, Showers, Sports Gear
17. Healthcare Facilities, Nursing Homes, Senior Care Facilities & Hospitals
18. Food Mfg. Plants, Meat, Fish, Poultry Markets & Dairy Farms
19. Restaurants, Bars, Pubs
20. Second hand stores, Clothes, Furniture
21. Veterinary Clinics, Kennels, Pet Stores, (Kills Provo)
22. Storage unit Containers & Mini Storage Units
23. City Morgues & Funeral Homes
24. Dumpster Companies
25. Fire & Flooded Homes & Buildings
26. Retail, Hardware, Lumber, Farm Supply Stores, Carpet Stores
(Eliminates Formaldehyde Odor)
27. Carpet Cleaning & Painting Contractor Companies
28. Janitorial Service Companies, Janitorial Supply Retail Stores,
Janitorial Supply Distributors
29. Law Enforcements Agencies – Police, Sheriff, DEA, FBI, (USES)
Holding Cells, Jail Cells, Prison Cells, Service Vehicles, Drug Labs, Meth etc.
30. For cleanup sites that have had Murders, Suicides, etc., clo2 is a broad-
spectrum neutralizer for Blood-Borne Pathogen

Tab/Kit	A Bucket Water	B Bucket Water
20g tab	4oz each cup	n/a
100g tab	1/2 Gallon	n/a
50g kit	1/4 Gallon	1/4 Gallon
100g kit	1/2 Gallon	1/2 Gallon
500g kit	1 Gallon	1/2 Gallon

Houses

Stink Stompers Home Reset Methods and Process

Beginning of Day

1. Dress for the Job – wear the appropriate uniform and be physically and mentally ready to work
2. Obtain scheduled stops from dispatch
3. Report to vehicle
4. Ensure all necessary equipment is available within the vehicle
 - Full Face Respirator – Safety First, do not expose yourself to organic gas
 - Rubber gloves
 - Neck Towel
 - Aerator Pumps – ensure you have enough for the job
 - 50-gram Stink Stompers Kit (both A and B pouches)- ensure extras are available for unscheduled jobs
 - Air hose for pumps – ensure hoses have weights on the ends and that there is enough for each job
 - Scissors – for cutting ends of air hoses if sediments have built up
 - Five Gallon Buckets – Ensure there are enough available for the jobs at hand, all buckets should have ½ gallon, ¾ gallon and 1-gallon measurements labeled on them
 - Spill Totes – Totes must be large and firm enough to fit 2 five-gallon buckets comfortably
 - Whisk – for mixing A and B compounds
 - Extension Cords – Ensure there are enough available for the jobs at hand
 - Power Strip – for operating multiple air pumps
 - Warning Signs – To display on any areas being gassed
 - Blue Scotch Tape
 - Rubber Bands
 - Plastic bags – Used to cover sprinkler heads and other sensors in hotel rooms

- Door Stops
 - Fans or blower – for airing out the home
 - Small trash bag
 - Step Stool
 - Clip Board
 - Transaction Record Papers (estimate receipts)
5. Make sure all equipment is in designated location
 6. Note any supplies that may be low and refill as necessary – Consult your supervisor on the location and proper methods for refilling any supplies that may be low

Starting Vehicle and Driving

1. Walk around vehicle and ensure any obstacles are cleared
2. Get in driver's seat of vehicle
3. Fasten seatbelt
4. Turn vehicle on
5. Enter Address of first stop (obtained from dispatch) in to GPS prior to placing the vehicle in to drive
6. Once address has been entered and GPS navigation is active safely reverse vehicle out of parking stall
7. Once out of the parking stall place the vehicle in drive and safely enter the roadway
8. Listen for GPS navigation while driving – do not take eyes off the road
9. Obey all traffic laws while operating vehicle
10. Scan roadway for any obstacles
11. If you must take your eyes off of the road, pull the vehicle out of the travel lane in a safe location first – do not look at GPS while vehicle is in travel lane

Arrival

1. Always drive safe, especially through customer property
2. Arrive at location on time, call ahead prior to arrival if running behind due to earlier appointments.
3. Park vehicle in a safe area, ensure vehicle location does not inhibit the customer (don't block any vehicles in)
4. Place vehicle in park and turn off vehicle
5. Remove seat belt
6. Exit vehicle
7. Move to the front door

Evaluation

Due to the nature of the Stink Stompers Home Reset all Homes will need to undergo an evaluation prior to being treated. This ensures that the customer is aware of the risks and has adequate time to prepare the home for treatment. Plan on performing this process in advance of the treatment. Follow all safety procedures for "Beginning of Day", "Starting Vehicle and Driving" and "Arrival" prior to the "Evaluation". If the Evaluation has already been performed than begin the "Clearing Home" process.

1. Arrive at the home at the scheduled time
2. Park vehicle in a safe area, ensure vehicle location does not inhibit the customer (don't block any vehicles in)
3. Place vehicle in park and turn off vehicle
4. Remove seat belt
5. Obtain clipboard, measuring device and an estimate receipt
6. Exit vehicle
7. Move to the front door
8. Locate the contact individual – depending on the circumstance this may be a realtor or the home owner, use discretion to determine the best location to make contact
9. Once located introduce yourself to the contact in a pleasant and courteous manner
10. State your reason for the visit
11. Ask to see the area that will need to be serviced
12. As the contact shows you the area make the following notes:
 - Is the area being treated for bed bugs?
 - Note any smells that the area may have (cigarette smoke, animal smells, general odor, mold, masking agent, etc.)
 - Rate smell and document on transaction record as 1-5 using the following scale:
 1. Mild odor (general old room smell)
 2. Somewhat Mild (Mildew from air conditioner)
 3. Medium Odor (Body Odor)
 4. Somewhat Strong (Animal smell)
 5. Strong Odor (Cigarette or other smoke)
13. Ask the customer applicable questions and document findings on the estimate receipt
 - What odor or sanitization problems are you currently having with the home?
 - Has any process already been taken to either mask or eliminate the odor?
 - Are there any special considerations that need to be taken for the home?
 - If only a section of the house is being serviced have the contact specify which areas and note these on the transaction record
14. Review what the customer's responsibilities will be if they agree to the service
 - The home will be unavailable for approximately 24 hours on the day of the service to allow the organic gas to take effect
 - During this time all living things will need to be removed from the home (people, pets and plants)
 - The home will need to be in a "well kept" condition to allow for safe movement throughout by the Stink Stomper team
 - Ensure there are not damp or wet areas in the home that may be prone to bleach (no wet laundry)
 - The customer will be responsible for supplying Stink Stompers with access to the property (keys, security codes, etc.)
 - The customer will need to ensure there is running water and electricity available on the day of the service
15. Once the entire area has been surveyed calculate the total square footage
16. Multiply the total square footage by the rate per square foot to get the customer's subtotal
17. Be aware of any price breaks or current specials being offered

18. Subtract any gift cards or totals from the subtotal
19. Once all items have been added and subtracted write the total expenditure in the total column of the transaction record
20. Review the total expense with the customer
21. Answer any questions the customer may have regarding the total expenditure
22. Once all questions have been answered and the customer agrees to the service establish the date for the service to be performed – refer to your schedule for open dates
23. Once the date for the service is established mark the date on the transaction record
24. Once the date for the service is established ask the customer to sign the transaction record and liability forms
25. After the report has been signed ask the customer what their method of payment will be
26. If check tell the customer to make the check out to _____
27. If credit or debit card, obtain the card from the customer and run the card with the designated method
28. After the card is run, return the card to the customer
29. Give the customer a copy of the transaction record (email or hardcopy)
30. If appropriate at this time obtain the property access from the customer (keys, security codes, etc.) – if this is not an appropriate time ensure that the keys will be able to be obtained on the day of the service
31. At this time, it is also necessary to set up what the arrangements for meeting the contact will be after the service has been performed – this allows for follow up and the return of any keys supplied to Stink Stompers
32. Once the customer is satisfied and all questions have been answered thank the customer for their business
33. Exit the residence and return to the Stink Stompers vehicle
34. Move to “Clearing Home” process

Clearing Home

1. Arrive at location on the day and time established during the evaluation
2. Park vehicle in a safe area, ensure vehicle location does not inhibit the customer (don't block any vehicles in)
3. Place vehicle in park and turn off vehicle
4. Remove seat belt
5. Exit vehicle
6. Move to the front door
7. If the keys have not been obtained move to the front door and knock
8. Obtain the keys and any additional access items from the customer
9. After access items have been obtained ensure that the customer has fully vacated the property
10. If keys have already been obtained enter the house and announce yourself loudly
11. Begin moving through the home to ensure that there are no occupants (no animals or humans)
12. Check all crawl spaces and closets
13. After the home has been visually and fully inspected move to the Stink Stompers vehicle
14. Begin “Home Set Up” process

Home Set Up

1. Obtain blue scotch tape, rubber bands, plastic bags, scissors and a step stool – use plastic bags to carry scotch tape, rubber bands, plastic bags and scissors if necessary
2. Move to the home with the equipment in hand
3. Once inside home move to the central thermostat
4. Set the homes temperature to 72 degrees
5. Once thermostat is set begin shutting all exterior doors and windows
6. Workflow should consist of starting on the top floor and moving from room to room
7. Once an entire floor is set up move down to the next floor until all floors are complete
8. Utilize Blue Scotch Tape on the perimeter of all exterior doorways and any openings that do not create a strong seal (doggy doors, older windows, laundry room vents, etc.) – modern windows should suffice without blue scotch tape
9. Close off any exterior openings not included in a room (doors or windows in hallways)
10. As you work through the house be sure to cover any sensors, sprinklers or fire alarms by using the plastic bags and rubber bands – utilize the step stool if these are out of reach
11. If the garage of the home is being serviced unplug the garage motor to ensure no entry
12. If the garage is not being serviced be sure to seal off the doorway and lock
13. Do not seal or close the door being used to access the Stink Stompers vehicle – this will be sealed last
14. Ensure all other exterior doors have been locked
15. Once all necessary items are covered or taped off in the home obtain all the equipment and return it to the vehicle
16. Begin “Tote Set Up” Process

Tote Set Up

1. Begin moving the appropriate equipment in to the home– This is best done by filling a tote with all appropriate equipment and carrying the tote full of equipment to each position within the home
2. After the number of totes needed has been established begin assembling them
3. First Obtain the designated number of totes from the vehicle
4. Move the designated number of totes in to the home and place on the floor near a water faucet – typically the kitchen will work best
5. If stacked together, unstuck the totes and place them in line with each other near the faucet
6. Once totes are placed move back to the Stink Stomper vehicle
7. Obtain 2 five-gallon buckets for each tote being used
8. Move the five-gallon buckets to the totes
9. Place 2 five-gallon buckets in to each of the totes
10. Once each tote has 2 five-gallon buckets move back to the Stink Stompers vehicle
11. Obtain 1 aerator pump for each tote being used
12. Move the aerator pumps to the totes
13. Place 1 aerator pump in each tote
14. Once each tote has 1 aerator pump move back to the Stink Stompers vehicle

15. Obtain 10 feet of hose for each tote being used – each hose should also have a weight at the end of it
16. Move hose back to the totes
17. Place 10 feet of hose with the weighted end in to each tote
18. Move back to the Stink Stomper vehicle
19. Obtain the designated number of kits for each tote – There should be both an A and B compound for each tote
20. Move the kits back to the totes
21. Place the kits in each of the totes with the A compound next to one of the buckets and the B compound next to the other - Important! Keep track of which bucket is associated with which compound
22. Once each tote has a kit and all other equipment begin filling the buckets with the designated amount of water required
23. Refer to the table below to determine how much water each bucket will require based on what kits are being used

Tab/Kit	A Bucket Water	B Bucket Water
20g tab	4oz each cup	n/a
100g tab	1/2 Gallon	n/a
50g kit	1/4 Gallon	1/4 Gallon
100g kit	1/2 Gallon	1/2 Gallon
500g kit	1 Gallon	1/2 Gallon

24. Obtain the first bucket from the tote and move to the faucet
25. Turn the faucet on and test the water to ensure the water is clear and at room temperature
26. Turn the faucet off after it is set at room temperature and is running clear
27. Place the bucket under the faucet and turn the faucet on
28. If the bucket has sediments in it from previous jobs, then rinse it clean before filling – sediments can be poured down the drain without impact
29. Once the bucket is filled to the designated line turn the faucet off
30. Remove the bucket from underneath the faucet and place it back in the tote
31. Repeat the process for all remaining buckets
32. Once all buckets have been filled the designated amount begin dispersing totes throughout the house
33. Totes should be spread in an even manner throughout the house – note this will vary from house to house and your own discretion will need to be used to determine the best placement for each tote
34. As you position totes throughout the house ensure that all walkways are clear to avoid tripping hazards
35. Do not spill any water while moving totes throughout the house
36. Ensure each tote is within a 10-foot distance of a power outlet
37. Once all totes are in place begin setting up aerator pump and hose
38. Workflow should consist of moving from totes located on the top floor of the house to the bottom floor

39. Move to the first tote and begin by unwrapping the aerator pump cord
40. Once the cord is unraveled store the wire tie by wrapping it around the unraveled cord
41. Place the unraveled aerator next to the outlet – do not plug the aerator in yet
42. Obtain the hose from the tote and move to the aerator
43. Plug the hose in to the output on the pump
44. Ensure hose is free of sediments – slide weights away from area that has sediment built up and utilize scissors to cut off end of hose if necessary to remove the section of hose that has sediments built up in it
45. Utilize a plastic bag to discard the hose with the sediment build up
46. If pump is successfully pumping air, then place the weighted side of the hose in to the bucket that will be used for the A compound
47. If the pump is not pumping air then mark the pump as defective, obtain a new pump and repeat the process with the new pump
48. Repeat the steps for all remaining totes within the home
49. Once all totes on a floor are complete move to the next floor down until they are all set up
50. Once all totes are set up return to the Stink Stompers vehicle
51. Begin Organic Gas Set Up process

Organic Gas Setup

1. Obtain an additional bucket for safely moving all gear between each tote – ensure the bucket is clean before using
2. Obtain the whisk and place in the bucket
3. Obtain rubber gloves and place in the bucket
4. Obtain neck towel and wrap around the neck – this ensures no sweat will drip while full face safety respirator is on
5. Lastly obtain the full-face safety respirator mask and place in the bucket
6. Obtain the bucket full of equipment and move back to the house
7. Workflow should consist of moving from totes located on the top floor of the house to the bottom floor
8. Move to the first tote
9. Set the bucket down next to the tote
10. Put the safety respirator on to avoid exposure to organic gas
11. The respirator should fit snugly against your face – utilize the straps to ensure no gas is breathed in
12. Put slight but firm pressure on the front of the respirator to ensure a good seal
13. Obtain the rubber gloves from the tote and place on each hand
14. Once all safety gear is on open the outer packaging for the A compound and discard the wrapper in to the equipment bucket
15. Begin crushing up the compound while it is still in the inner packaging – ensure all clumps are crushed and the package contains a fine powder
16. Repeat for the crushing process for the B compound
17. Once both compounds have been liberally crushed unseal the A compound and dump the contents in to the A bucket – ensure this is the bucket that the pump is pumping air in to
18. Discard the inner package in to the equipment bucket

19. Unseal the B compound and dump the contents in to the B bucket – do not mix both compounds together yet
20. Once both compounds have been dumped in to their separate buckets obtain the whisk
21. Use the whisk to stir the A compound in to the water
22. Remove any clumps that may develop – ensure rubber gloves are on for this
23. After the A compound has been thoroughly mixed move the whisk to the B bucket and begin stirring the B compound
24. Once both compounds are thoroughly mixed return the whisk to the bucket with the equipment
25. The next step is to pour the B mixture in to the A mixture
26. Carefully lift the B bucket and slowly pour the mixture in to the A bucket – be careful not to splash or spill any of its contents outside of the tote
27. Once all the mixture has been poured in return the empty bucket to its original position in the tote
28. After the two compounds have been combined the mixture will begin to emit the gas
29. Once the gas has started, obtain all loose equipment (whisk and equipment bucket) and move to the next tote
30. Repeat the crushing and mixing process until all totes are emitting gas
31. Once all totes are emitting gas obtain all loose equipment (whisk and equipment bucket) and move to the Stink Stompers vehicle
32. Once you have reached the Stink Stompers vehicle it is now safe to remove any safety gear and return it to its designated location within the Stink Stompers vehicle
33. Obtain the blue scotch tape, warning signs for each exterior doorway and if necessary the key to the home from the Stink Stompers vehicle
34. Move to the home's door that is being used for access – this door should not have been taped off yet
35. Utilize the blue scotch tape to seal the seams of the access door
36. Tape a warning sign in the center of the doorway to deter entry
37. Move to all remaining exterior doorways and apply a warning sign in the same location
38. If the garage is being serviced place a warning sign in the center to deter entry
39. Once all signs have been applied obtain the scotch tape and move back to the Stink Stompers vehicle
40. Return the scotch tape to its designated area within the Stink Stompers vehicle
41. Begin Wait Period process

Wait Period Process

1. Gas should sit for a minimum of 6 hours to effectively remove odor and sanitize the home
2. This time can be increased to up to 48 hours for larger homes if needed or if scheduling permits – generally more time is better
3. This time does not include the amount of time needed to air the home
4. This time should be utilized to set up other jobs, do scheduled evaluations and clean up other jobs

First Air Cycle

1. Once the appropriate amount of time has passed obtain the safety respirator, blue scotch tape, blower fans and a plastic bag from the Stink Stompers vehicle
2. Move to the home
3. Before entering the home put the safety respirator on to avoid exposure to organic gas
4. The respirator should fit snugly against your face – utilize the straps to ensure no gas is breathed in
5. Once the respirator has been applied remove the blue tape from around the homes access door
6. Place the used scotch tape in the plastic bag for disposal
7. Leave the plastic bag and roll of scotch tape outside the home
8. Once the blue tape is removed obtain the blower fan and quickly enter the home
9. Close the door after you enter
10. Place the blower fan in a central area of the home near a power outlet
11. Plug the fan in and turn the blower on high
12. Point the fan inward toward the center of the home to encourage airflow within the home
13. Move to the central thermostat
14. If the option is available turn the homes fan on high
15. Once all fans are blowing move to the access door and quickly exit the home
16. Once the access door is closed obtain the blue scotch tape
17. Tape the seams of the access door to keep gas from escaping
18. Obtain all loose equipment and move back to the Stink Stompers vehicle
19. Once you have reached the Stink Stompers vehicle it is now safe to remove any safety gear and return it to its designated location within the Stink Stompers vehicle
20. At this time set a timer for 1 hour – this is the amount of time the gas will need to circulate
21. Begin Second Wait Period process

Second Wait Period

1. Take this time to organize the Stink Stompers vehicle and discard any trash that may have accumulated
2. Discard any trash in the appropriate location – If there is an appropriate sized waste bin on site use this
3. If this is not an option, then consolidate the trash so it can easily be discarded at the next available opportunity
4. It is now an appropriate time to take a 10-minute break

Second Air Cycle and Clean Up

1. Once the 1-hour timer has completed obtain the gas mask, a plastic bag and the step stool
2. Move to the home with the equipment – if necessarily make multiple trips
3. Before entering the home put the safety respirator on to avoid exposure to organic gas
4. The respirator should fit snugly against your face – utilize the straps to ensure no gas is breathed in

5. Once the respirator has been applied remove the blue tape from around the access door seals
6. Place the used blue scotch tape in the plastic bag for disposal
7. Bring all available equipment in to the home with you
8. Enter the home – ensure safety respirator is on and secure before entering
9. Once inside close the door behind you
10. Place the equipment near the door
11. Begin unplugging each aerator from the power outlet
12. Workflow should consist of moving from totes located on the top floor of the house to the bottom floor
13. Move to the electrical outlet that the pump is plugged in to and unplug the aerator
14. Once the aerator is unplugged unplug the air hose from the aerator – do not remove the weighted end of the air hose from the bucket or tote
15. Wrap the aerator cord up and apply the wire tie – this should be wrapped around the cord from set up
16. Place the aerator in the tote next to the buckets
17. Move to the next tote and repeat the aerator unplugging process
18. Repeat until all aerators have been unplugged and stowed away in the tote
19. Once all aerators have been deactivated begin emptying the compound from each bucket
20. Workflow should consist of moving from totes located on the top floor of the house to the bottom floor
21. Prepare to empty the bucket by removing the weighted end of the air hose from the A bucket and placing it in the empty B bucket – don't let the hose drip outside of the tote
22. Pull the remaining hose slack in to the empty bucket
23. Ensure a clear path from the tote to the homes closest bathroom
24. Ensure the toilet lid and seat are up – water can be dumped in to the toilet bowl without impact, if this is not an option the sink or bath tub can also be used though the toilet bowl is preferred
25. Move back to the tote and obtain the A bucket with the compound mixture
26. Carefully utilize the bucket handle to lift the bucket out of the tote
27. Once the bucket has cleared the tote carefully move to the bathroom
28. Do not spill any of the compound – If necessary slide the tote closer to the bathroom to minimize risk of spilling
29. Once you have reached the bathroom carefully pour the compound in to the toilet bowl - use your free hand to slowly tilt the bottom of the bucket over the toilet bowl
30. Do not splash the compound mixture while pouring out the bucket
31. Once the bucket is empty tilt the bucket back to its natural state
32. Flush the toilet to ensure all compound has been flushed away
33. Move back to the tote with the bucket
34. Place the bucket back in to the tote
35. Move to the next tote
36. Repeat the bucket emptying process on the remainder of the totes
37. After the pump, air hose and empty buckets are consolidated in the tote begin airing out the home

38. Obtain the plastic bag from near the access door for any residue that will be removed as you go through the home (scotch tape, plastic bags over alarms, etc.)
39. Utilize the step stool as needed
40. Start by opening all windows throughout the home
41. Workflow should consist of starting on the top floor and moving from room to room
42. Remove any scotch tape that may have been used to seal off the windows
43. Remove any scotch tape that was applied to exterior doors – doors do not need to be opened to allow the home to air out
44. Remove any bags and rubber bands that have been placed over fire sprinklers – place used bags and rubber bands in the garbage bag
45. Once all scotch tape and residue has been removed begin moving all totes back to the Stink Stompers vehicle
46. Workflow should consist of moving from totes located on the top floor of the house to the bottom floor
47. Place the plastic bag full of trash in the first tote
48. Lift the tote with both hands and carefully move it to the Stink Stompers Vehicle - be conscious of stairs and other obstacles while moving equipment to the vehicle
49. Once you have reached the Stink Stompers vehicle place the tote on the ground near the vehicle
50. Return all equipment within the tote to its designated location within the Stink Stompers vehicle while the home continues to air out
51. Once all equipment within the tote has been returned place the tote in its designated position within the Stink Stompers vehicle
52. Return to the next tote and repeat the process
53. Continue returning each tote to the Stink Stompers vehicle until all totes have been returned and all equipment has been placed in its designated position within the Stink Stompers vehicle
54. Move back to the blower fan within the home
55. Unplug the blower fan and wrap the electrical cord in an organized fashion
56. Obtain the step stool blower fan and any other loose equipment remaining in the home
57. Return to the Stink Stompers vehicle with remaining equipment
58. Return all equipment to its designated position within the vehicle
59. At this time, it is now safe to remove any safety gear and return it to its designated location within the Stink Stompers vehicle
60. Once all equipment has been returned move to the home
61. Begin closing all windows within the home - note that it is only necessary to close windows if conditions outside allow the home to maintain a comfortable temperature, this allows the home to air out longer
62. Once all windows have been closed move to the central thermostat
63. Turn off any fans that may be running
64. Ensure all equipment has been removed from the home and move to exit the home
65. Once you have exited close the door behind you and lock the home
66. Remove any warning signs from the exterior of the home and move to the Stink Stompers vehicle

Closure

1. Closure with the contact after the service has been completed will depend on what arrangements were made with them prior
2. When you do meet the contact greet the contact and let them know that the home has been serviced
3. Ask the customer if they have any questions or if they would like to inspect the home before you depart
4. If the customer inspects the home, ask the customer for feedback on the smell – is the original smell still present? Are there any other smells? – re-treatment options may need to be considered if the home still exhibits any smells
5. Note any feedback on the transaction record
6. Answer any other questions and address any concerns the customer may have
7. Once the customers questions have been answered, thank the customer for their business and tell them to have a nice day
8. Move to the Stink Stompers vehicle and leave.

Tab/Kit	A Bucket Water	B Bucket Water
20g tab	4oz each cup	n/a
100g tab	1/2 Gallon	n/a
50g kit	1/4 Gallon	1/4 Gallon
100g kit	1/2 Gallon	1/2 Gallon
500g kit	1 Gallon	1/2 Gallon

Motels & Hotels

Stink Stompers Hotel Methods and Process



Beginning of Day

7. Dress for the Job – wear the appropriate uniform and be physically and mentally ready to work
8. Obtain scheduled stops from dispatch
9. Report to vehicle
10. Ensure all necessary equipment is available within the vehicle
 - Full Face Respirator – Safety First, do not expose yourself to organic gas
 - Rubber gloves
 - Neck Towel
 - Air pumps – ensure you have enough for the job
 - 100-gram Stink Stompers Kit (both A and B pouches)- ensure extras are available for unscheduled jobs

- Air hose for pumps – ensure hoses have weights on the ends and that there is enough for each job
 - Scissors – for cutting ends of air hoses if sediments have built up
 - Five Gallon Buckets – Ensure there are enough available for the jobs at hand, all buckets should have ½ gallon, ¾ gallon and 1-gallon measurements labeled on them
 - Spill Totes – Totes must be large and firm enough to fit 2 five-gallon buckets comfortably
 - Whisk – for mixing A and B compounds
 - Extension Cords – Ensure there are enough available for the jobs at hand
 - Power Strip – for operating multiple air pumps
 - Warning Signs – To display on any areas being gassed
 - Blue Scotch Tape
 - Rubber Bands
 - Plastic bags – Used to cover sprinkler heads and other sensors in hotel rooms
 - Door Stops
 - Fans or blower – for airing out the room
 - Small trash bag
 - Step Stool
 - Clip Board
 - Transaction Record Papers (estimate receipts)
11. Make sure all equipment is in designated location
 12. Note any supplies that may be low and refill as necessary – Consult your supervisor on the location and proper methods for refilling any supplies that may be low

Starting Vehicle and Driving

1. Walk around vehicle and ensure any obstacles are cleared
2. Get in driver's seat of vehicle
12. Fasten seatbelt
13. Turn vehicle on
14. Enter Address of first stop (obtained from dispatch) in to GPS prior to placing the vehicle in to drive
15. Once address has been entered and GPS navigation is active safely reverse vehicle out of parking stall
16. Once out of the parking stall place the vehicle in drive and safely enter the roadway
17. Listen for GPS navigation while driving – do not take eyes off the road
18. Obey all traffic laws while operating vehicle
19. Scan roadway for any obstacles
20. If you must take your eyes off the road, pull the vehicle out of the travel lane in a safe location first – do not look at GPS while vehicle is in travel lane

Arrival

8. Always drive safe, especially through customer property

9. Arrive at location on time, call ahead prior to arrival if running behind due to earlier appointments.
10. Park vehicle in a safe area, ensure vehicle location does not inhibit customer operations
11. Place vehicle in park and turn off vehicle
12. Remove seat belt
13. Exit vehicle
14. Bring clip board with appropriate paperwork

Introduction

1. Locate contact individual – refer to clipboard for name and title
2. Once located introduce yourself to the contact in a pleasant and courteous manner
3. State your reason for the visit
4. If prompted go and visit each hotel room with the contact – Note the room numbers being serviced
 - Note if the room is being treated for Bed Bugs or for other sanitary purposes
 - Note any smells that the room may have while visiting (cigarette smoke, animal smells, general odor, masking agent, etc.)
 - Rate smell and document on transaction record as 1-5 using the following scale:
 6. Mild odor (general old room smell)
 7. Somewhat Mild (Mildew from air conditioner)
 8. Medium Odor (Body Odor)
 9. Somewhat Strong (Dog or animal smell)
 10. Strong Odor (Cigarette or other smoke)
5. Ask the customer applicable questions and document findings on the estimate receipt
 - What odor or sanitization problems are you currently having with the room(s)?
 - Has any process already been taken to either mask or eliminate the odor?
 - Are there any special considerations to be taken on each room?
 - Location of the room(s) or room numbers (if not visited with contact)
 - Are there any other rooms that you currently have that need odor removal/ sanitization while I'm here?
6. Mentally note the location of all rooms being serviced, document any additional info (approx. square footage, adjoining rooms, separate rooms)
7. Ensure all rooms have been serviced by housekeeping before servicing – Ask that the room be cleaned before setting up any equipment
8. Ask contact for location of all necessary equipment and make mental note
 - Master key to each room being serviced
 - Best location to park the equipment vehicle
 - Access to water (typically this is available within the hotel room)
9. Ask the customer if they have any further questions and answer appropriately
10. Once all questions have been answered quickly ensure transaction record is all filled out and ready for customer signature
11. Give the customer the total expense for the rooms to be serviced
12. After customer has signed the transaction record tear off the carbon copy and leave them with the top copy
13. Keep the bottom copy for your own records

14. Ask them who to follow up with once the deodorization/ sanitization is complete – make note
15. Thank the customer and begin the Hotel Room Set Up process

Hotel Room Set Up

1. Return to the Stink Stompers vehicle
2. Return the clipboard to the designated location
3. Safely move the vehicle to the best location for access to the hotel rooms - remember do not park vehicle anywhere that will inhibit customer operations
4. Exit the vehicle and move to the equipment compartment of the vehicle
5. Obtain blue scotch tape, rubber bands, door stops, scissors, step stool and plastic bags – use plastic bags to carry tape, rubber bands, scissors and door stops if necessary
6. Move to the hotel room
7. Begin hotel room set up by setting the rooms air conditioning to 72 degrees – if there is not an exact dial then estimate
8. Once the dial has been set to 72 degrees the air conditioner can be turned off
9. Ensure all windows are closed
10. Ensure all doors to adjoining rooms are closed – note if adjoining room is also being serviced these doors can remain open for better coverage
11. Tape off the seams of the adjoining door to ensure no gas is passed to the adjoining room
12. Tape over any vents that may be within the room – utilize the step stool if any vents are out of reach
13. Place tape over any fire sensors
14. Place plastic bags with rubber bands over any sprinklers or other sensors
15. Place a door stop in front of the hotel room door
16. Repeat steps for each hotel room being serviced
17. Once all necessary items are covered or taped off in each hotel room return the step stool, plastic bags, door stops and rubber bands to the equipment vehicle – leave scotch tape and scissors in the room
18. Move to the Tote Set Up process

Tote Set Up

52. Begin moving the appropriate equipment to the hotel room(s) – This is best done by filling a tote with all appropriate equipment and carrying the tote full of equipment to the room
53. First obtain a tote from the vehicle
54. Place the tote on the ground next to the Stink Stompers vehicle
55. Obtain 2 five-gallon buckets and place both of them in to the tote
56. Place the 100-gram Stink Stompers kit in the tote - Both A and B compounds should be placed in the tote, organize them so that the A sits next to one bucket and b next to the other
57. Obtain a pump from equipment vehicle and place one pump in to the tote
58. Obtain air hose with weights from the equipment vehicle and place in the tote – There should be at least 10 feet of hose available in each tote used

59. Before moving to the hotel room ensure that the travel path from the vehicle to the hotel is clear
60. Place door stops in front of both interior and exterior doors to assist while moving the tote
61. Once all equipment is in the tote lift the tote and move to the hotel room to be serviced – be conscious of stairs and other obstacles while moving equipment to hotel room
62. Once you have arrived in the hotel room place the tote next to the bath faucet
63. Repeat the above processes for all rooms being serviced
64. Once all totes are in position begin filling each bucket with water
65. Obtain the first bucket from the tote and move to the bath faucet within the hotel room
66. Turn the faucet on and test the water to ensure the water is clear and at room temperature
67. Turn the faucet off after it is set at room temperature and is running clear
68. Place the bucket under the faucet and turn the faucet on
69. If the bucket has sediments in it from previous jobs, then rinse it clean before filling – sediments can be poured down the drain without impact
70. For a 50-gram kit each bucket should be filled to the ½ gallon line with room temperature water – utilize measurements on the side of each bucket to get the amount of water exact
71. Once the bucket is filled to the designated line turn the faucet off
72. Remove the bucket from underneath the faucet and place it back in the tote
73. Repeat the process for the second bucket
74. Once both buckets have been filled and placed back in the tote lift the tote and move it to the center of the hotel room - be careful not to spill while moving the tote, slide the tote if necessary
75. Once the tote is in place remove the pump and the air hose
76. Unravel the pumps electrical cord by unwrapping the wire tie from the cord
77. Once the cord is unraveled store the wire tie by wrapping it around the unraveled cord
78. With the pump in hand move to the outlet that is farthest from the tote
79. Ensure there is enough hose to reach back to the tote, if necessary obtain a longer hose or move the pump to the next closest outlet – It may also be necessary to use an extension cord or power strip if outlets are limited
80. Plug the hose in to the output on the pump
81. Plug the pump in the electrical outlet and check to ensure air is pumping out of the hose
82. Ensure hose is free of sediments – slide weights away from area that has sediment built up and utilize scissors to cut off end of hose if necessary to remove the section of hose that has sediments built up in it
83. Utilize a plastic bag to discard the hose with the sediment build up
84. If pump is successfully pumping air, then place the weighted side of the hose in to the bucket that will be used for the A compound
85. If the pump is not pumping air then mark the pump as defective, obtain a new pump and repeat the process with the new pump
86. Repeat the above steps for all additional hotel rooms being serviced

87. Once all totes are set up return to the Stink Stompers vehicle and move on to the Organic Gas Set Up process

Organic Gas Set Up

42. Obtain an additional bucket for safely moving all gear between each tote – ensure the bucket is clean before using
43. Obtain the whisk and place in the bucket
44. Obtain the appropriate number of warning signs for hotel rooms being serviced and place in the bucket
45. Obtain rubber gloves and place in the bucket
46. Obtain neck towel and wrap around the neck – this ensures no sweat will drip while full face safety respirator is on
47. Lastly obtain the full-face safety respirator mask and place in the bucket
48. Obtain the bucket full of equipment and move to the tote in the first hotel room
49. Set the bucket down next to the tote
50. Open the outer packaging for the A compound and discard the wrapper in to the bucket with the equipment
51. Begin crushing up the compound while it is still in the inner packaging – ensure all clumps are crushed and the package contains a fine powder
52. Repeat for the B compound
53. Once both compounds are crushed obtain the safety respirator
54. Put the safety respirator on to avoid exposure to organic gas
55. The respirator should fit snugly against your face – utilize the straps to ensure no gas is breathed in
56. Put slight but firm pressure on the front of the respirator to ensure a good seal
57. Obtain the rubber gloves from the tote and place on each hand
58. Once all safety gear is on unseal the A compound and dump the contents in to the A bucket – ensure this is the bucket that the pump is pumping air in to
59. Discard the inner package in to the bucket
60. Unseal the B compound and dump the contents in to the B bucket – do not mix both compounds together yet
61. Once both compounds have been dumped in to their separate buckets obtain the whisk
62. Use the whisk to stir the A compound in to the water
63. Remove any clumps that may develop – ensure rubber gloves are on for this
64. After the A compound has been thoroughly mixed move the whisk to the B bucket and begin stirring the B compound
65. Once both compounds are thoroughly mixed return the whisk to the bucket with the equipment
66. The next step is to pour the B mixture in to the A mixture
67. Carefully lift the B bucket and slowly pour the mixture in to the A bucket – be careful not to splash or spill any of its contents
68. Once all the mixture has been poured in return the empty bucket to its original position in the tote
69. After the two compounds have been combined the mixture will begin to emit the gas
70. Once the gas has started, obtain all loose equipment (blue tape, scissors and bucket full of equipment) and move to the exit

71. If there is a door stop in the door remove it and close the door to the room as you exit
72. Ensure the hotel room door locks behind you
73. Once the door is shut obtain the blue scotch tape and begin taping up the seams of the hotel room door to ensure no gas escapes
74. After tape has been applied all the way around the door tape a Warning sign on the door to ensure no one enters while the gas is treating
75. Repeat the process for any additional hotel rooms being serviced
76. After all hotel rooms are taped off and you are away from the gas it is now safe to remove any safety equipment
77. At this time set an alarm for 4 hours – this is the amount of time it will take for the gas to completely take effect
78. Obtain all loose equipment and move back to the Stink Stompers vehicle
79. Return the equipment to its designated area within the Stink Stompers vehicle
80. Begin First Wait Period Process

First Wait Period

1. Gas will take 4 hours to effectively remove odor and sanitize the hotel room
2. During this time other jobs can be performed but you must be able to report back by the 4-hour mark
3. It is now an appropriate time to take a 10-minute break

First Air Cycle

1. Once the 4-hour timer has completed obtain the safety respirator, blue scotch tape, blower fan and a plastic bag from the Stink Stompers vehicle
2. Move to the hotel room with the equipment
3. Before entering the hotel, room put the safety respirator on to avoid exposure to organic gas
4. The respirator should fit snugly against your face – utilize the straps to ensure no gas is breathed in
5. Once the respirator has been applied remove the blue tape from around the hotel room door seals
6. Place the used blue scotch tape in the plastic bag for disposal
7. Leave the plastic bag and new roll of blue scotch tape outside of the room
8. Bring the blower fan in to the room
9. Once the blue tape has been removed quickly enter the hotel room – ensure safety respirator is on and secure before entering
10. Once inside quickly close the door behind you
11. Place the blower fan near the door
12. Move to the air conditioning controls and turn the air conditioning on to 72 degrees – this should already be set during the hotel room setup
13. If there is an option set the airflow to recirculation rather than drawing in fresh air
14. Obtain the blower fan from near the door

15. Plug the fan in to an outlet near the door and place so that it is blowing away
16. Turn the fan on low to allow it to circulate air throughout the room
17. Once the air conditioning is flowing move back to the door and exit the room
18. Quickly close the door behind you as you exit
19. Obtain blue scotch tape and reapply the tape to all the door seams to ensure no additional gas escapes
20. Once the tape has been applied it is now safe to remove the safety respirator
21. At this time set a timer for 1 hour – this is the amount of time the gas will need to circulate through the room before completely airing out
22. Obtain the safety respirator, blue scotch tape and plastic bag and return to the Stink Stompers vehicle
23. Repeat the above steps for any additional rooms being serviced
24. Begin Second Wait Period process.

Second Wait Period

5. Take this time to organize the Stink Stompers vehicle and discard any trash that may have accumulated
6. Discard any trash in the appropriate location – If there is an appropriate sized waste bin on site use this
7. If this is not an option, then consolidate the trash so it can easily be discarded at the next available opportunity
8. It is now an appropriate time to take a 10-minute break

Second Air Cycle and Clean Up

67. Once the 1-hour timer has completed obtain the gas mask, a plastic bag, door stops and the step stool
68. Move to the hotel room with the equipment – if necessary, make multiple trips
69. Before entering the hotel, room put the safety respirator on to avoid exposure to organic gas
70. The respirator should fit snugly against your face – utilize the straps to ensure no gas is breathed in
71. Once the respirator has been applied remove the blue tape from around the hotel room door seals
72. Place the used blue scotch tape in the plastic bag for disposal
73. Bring all available equipment in to the room with you
74. Quickly enter the hotel room – ensure safety respirator is on and secure before entering
75. Once inside quickly close the door behind you
76. Place all loose equipment near the door
77. Move to the electrical outlet that the pump is plugged in to and unplug the pump
78. Once the pump is unplugged unplug the air hose from the pump – do not remove the weighted end of the air hose from the bucket or tote

79. Wrap the pump cord up and apply the wire tie – this should be wrapped around the cord from set up
80. Place the pump in the tote next to the buckets
81. Prepare to empty the bucket by removing the weighted end of the air hose from the A bucket and placing it in the empty B bucket – don't let the hose drip outside of the tote
82. Pull the remaining hose slack in to the empty bucket
83. Ensure a clear path from the tote to the bathroom
84. Ensure the toilet lid and seat are up – water can be dumped in to the toilet bowl without impact, if this is not an option the sink or bath tub can also be used though the toilet bowl is preferred
85. Move back to the tote and obtain the A bucket with the compound mixture
86. Carefully utilize the bucket handle to lift the bucket out of the tote
87. Once the bucket has cleared the tote carefully move to the bathroom – do not spill any of the compound
88. Once you have reached the bathroom carefully pour the compound in to the toilet bowl - use your free hand to slowly tilt the bottom of the bucket over the toilet bowl
89. Do not splash the compound mixture while pouring out the bucket
90. Once the bucket is empty tilt the bucket back to its natural state
91. Flush the toilet to ensure all compound has been flushed away
92. Move back to the tote with the bucket
93. Place the bucket back in to the tote
94. After the pump, air hose and empty buckets are consolidated in the tote begin airing out the room
95. Turn the blower fan on high
96. Open all windows within the room
97. If available turn the air conditioning mode to pull in fresh air
98. If there are fans in the bathroom ensure they are on – If these have been taped shut, remove the tape before turning the fan on
99. Once all ventilation is going and all available windows are open begin removing blue tape and bags around any sensors in the room – place any used tape in the garbage bag
100. Remove blue tape around any adjoining room doors
101. Remove any bags and rubber bands that have been placed over fire sprinklers – place used bags and rubber bands in the garbage bag
102. Utilize the step stool as necessary to remove tape and plastic bags
103. Once all tape and bags have been removed and placed in the garbage bag place the garbage bag in to the tote
104. Prepare to move the tote back to the Stink Stompers vehicle by ensuring the travel path to the vehicle is clear
105. Place door stops in front of both interior and exterior doors to assist while moving the tote –Note that it is now safe to keep the hotel room door open
106. Once the travel path has been checked move to the tote
107. Lift the tote with both hands and carefully move it to the Stink Stompers Vehicle - be conscious of stairs and other obstacles while moving equipment to the vehicle
108. Once you have reached the Stink Stompers vehicle place the tote on the ground near the vehicle

109. Return all equipment within the tote to its designated location within the Stink Stompers vehicle while the room continues to air out
110. Once all equipment within the tote has been returned place the tote in its designated position within the Stink Stompers vehicle
111. Move back to the hotel room to clean up the remaining equipment
112. Once you are back in the room turn the blower fan off
113. Unplug the blower fan and wrap the electrical cord in an organized fashion
114. Obtain the step stool blower fan and any other loose equipment remaining in the room - door stops will need to be removed last
115. Return to the Stink Stompers vehicle with remaining equipment
116. Return all equipment to its designated position in the vehicle
117. Once all equipment has been returned move back to the hotel room
118. Turn off any fans within the room
119. Close all windows
120. Obtain any remaining equipment within the room
121. Exit the room and close the door as you leave
122. Repeat the above steps for any additional rooms being serviced
123. Remove any door stops remaining
124. Move the remaining equipment to the Stink Stompers vehicle
125. Return the remaining equipment to its designated location within the vehicle
126. Begin the Closure process

Closure

1. After all hotel rooms have been serviced obtain the clipboard with transaction record paper from the Stink Stompers vehicle
2. Find the appropriate follow up contact – refer to the note made earlier
3. Greet the contact and let them know that all hotel rooms have been serviced
4. Ask the customer if they have any questions or if they would like to inspect the hotel room before you depart
5. If the customer inspects the hotel room ask the customer for feedback on the smell – is the original smell still present? Is there any other smells?
6. Note any feedback on the transaction record
7. Answer any other questions and address any concerns the customer may have
8. Once the customers questions have been answered ask them what a good day and time for follow up would be and note this on the transaction paper
9. Thank the customer for their business and tell them to have a nice day
10. Move to the Stink Stompers vehicle
11. Start over from step 1 of the “Starting Vehicle and Driving” section
12. Replace step 5 of the “Starting Vehicle and Driving” section with next stop on the list

Tab/Kit	A Bucket Water	B Bucket Water
20g tab	4oz each cup	n/a
100g tab	1/2 Gallon	n/a
50g kit	1/4 Gallon	1/4 Gallon
100g kit	1/2 Gallon	1/2 Gallon
500g kit	1 Gallon	1/2 Gallon

RV's and Motorhomes

Stink Stompers Recreational Vehicle Methods and Process

Beginning of Day

13. Dress for the Job – wear the appropriate uniform and be physically and mentally ready to work
14. Obtain scheduled stops from dispatch
15. Report to vehicle
16. Ensure all necessary equipment is available within the vehicle
 - Full Face Respirator – Safety First, do not expose yourself to organic gas
 - Latex gloves
 - Neck Towel
 - Air pumps
 - 20-gram Stink Stomper tablets - ensure extras are available for unscheduled jobs
 - 100-gram Stink Stomper tablets – ensure extras are available for unscheduled jobs
 - Air hose for pumps – ensure hoses have weights on the ends
 - Scissors – for cutting ends of air hoses if sediments have built up
 - 4 – 2-gallon buckets with a ½ gallon premeasured line and a 1-gallon premeasured line
 - 4 bath towels
 - Extension Cords
 - i. 2 25-foot extension cords
 - ii. 1 10-foot extension cord
 - Power Strip – for operating multiple air pumps
 - Small trash bag
 - Clip Board
 - Transaction Record Papers (estimate receipts)
17. Make sure all equipment is in designated location

18. Note any supplies that may be low and refill as necessary – Consult your supervisor on the location and proper methods for refilling any supplies that may be low

Starting Vehicle and Driving

1. Walk around vehicle and ensure any obstacles are cleared
2. Get in driver's seat of vehicle
21. Fasten seatbelt
22. Turn vehicle on
23. Enter Address of first stop (obtained from dispatch) in to GPS prior to placing the vehicle in to drive
24. Once address has been entered and GPS navigation is active safely reverse vehicle out of parking stall
25. Once out of the parking stall place the vehicle in drive and safely enter the roadway
26. Listen for GPS navigation while driving – do not take eyes off of the road
27. Obey all traffic laws while operating vehicle
28. Scan roadway for any obstacles
29. If you must take your eyes off of the road, pull the vehicle out of the travel lane in a safe location first – do not look at GPS while vehicle is in travel lane

Arrival

15. Always drive safe, especially through customer property
16. Arrive at location on time, call ahead prior to arrival if running behind due to earlier appointments.
17. Park vehicle in a safe area, ensure vehicle location does not inhibit customer operations
18. Place vehicle in park and turn off vehicle
19. Remove seat belt
20. Exit vehicle
21. Bring clip board with appropriate paperwork

Introduction

16. Locate contact individual – refer to clipboard for name and title
17. Once located introduce yourself to the contact in a pleasant and courteous manner
18. State your reason for the visit
19. Ask the customer to show you to the RV
 - Note any smells that the RV may have while visiting (cigarette smoke, animal smells, general odor, masking agent, etc.)
 - Rate smell and document on transaction record as 1-5 using the following scale:
 11. Mild Odor (general old RV smell) – 1 tablet
 12. Somewhat Mild (Body Odor)
 13. Medium (Mildew from air conditioner or water damage)
 14. Somewhat Strong (Wet Dog or animal smell)
 15. Strong Odor (Cigarette or other smoke)

20. Ask the customer applicable questions and document findings on the estimate receipt
 - What odor or sanitization problems are you currently having with the RV(s)?
 - Has any process already been taken to either mask or eliminate the odor?
 - Review with the customer how the climate controls for the RV work to ensure the correct temperature is obtained – document on transaction record if necessary
 - Are there any other RVs that you currently have that need odor removal/ sanitization while I'm here? (Offer discount for additional vehicles)
21. Mentally note the location of all RVs being serviced, document RV(s) info on the estimate receipt (length, size, make if necessary)
22. Ask contact for location of all necessary equipment and make mental note
 - Keys to RV(s) if necessary
 - Access to water
 - Ask if the outlet within the vehicle can be used, if not ask where the RV can be moved to with access to an electrical outlet (note, it may be necessary to have the customer move the vehicle to the location for safety and liability purposes)
23. Ask the customer if they have any further questions and answer appropriately
24. Once all questions have been answered quickly ensure transaction record is all filled out and ready for customer signature
25. Ask the customer what the rate they have received in the past has been – if they have received a lower rate than what is on the paper in the past then adjust the total expense on the transaction record as necessary to match to the lower rate
26. Give the customer the total expense for the vehicles to be serviced
27. Have the customer sign the transaction record
28. After customer has signed the transaction record tear off the carbon copy and leave them with the top copy
29. Keep the bottom copy for your own records
30. Ask them who to follow up with once the deodorization/ sanitization is complete – make note
31. Thank the customer and begin "RV Set Up"

RV Set Up

88. Return clip board to Stink Stompers vehicle
89. Move the Stink Stompers vehicle to the RV or as close as possible without hindering customer operations
90. Move to the RV
91. If climate control requires the RV to be on, then move to the ignition and start the RV
92. If possible turn the temperature to 72 degrees, otherwise adjust controls to approximate temperature (whether AC or Heat is used will depend on the outside conditions)
93. Turn fan on full
94. Ensure all windows are rolled all the way up and rooftop vents are sealed shut
95. Turn off the RV
96. Exit RV
97. Move to the Stink Stompers vehicle to begin "Organic Gas Set Up"

Organic Gas Set Up

81. Obtain extension cord from equipment vehicle
82. Release extension tie wrap and place in Stink Stompers vehicle – do not unravel extension cord(s) yet
83. Walk with extension cord(s) to the designated electrical outlet and plug in
84. If using an electrical outlet that is external to the vehicle, plug the cord in and unravel the extension cord as you move to the vehicle, utilize multiple extension cords as necessary
85. Allow the extension cord to lay in a manner that will not cause unsafe obstacles
86. If using one of the RVs internal electrical outlets, plug the cord in and only unravel the necessary amount of cord needed
87. After all extension cords are laid out move back to the Stink Stompers vehicle
88. If using more than one pump, obtain power strip from the Stink Stompers vehicle
89. Plug the power strip in to the end of the extension cord
90. After the power strip is plugged in move back to the Stink Stompers vehicle
91. Obtain air pump case from equipment vehicle
92. Move to the power strip
93. Open the air pump case
94. Remove the designated number of air pumps to be utilized on the RV
95. Remove tie wrap from air pump and tie around the air pump cord once it is unraveled
96. Unravel air pump electrical cord and place in next to power strip – do not plug air pump in yet
97. Repeat for the designated number of pumps until all air pumps are laid out in the ready position – If using additional air pumps make sure they are spread evenly throughout the RV
98. Once all air pumps are laid out close the case and return the case to Stink Stompers vehicle
99. Obtain the identical number of bath towels as there are pumps laid out from the equipment vehicle
100. Move to the pumps
101. Lay a towel out next to each pump being used – these are to protect from spills and small splashes
102. Once towels are laid out move to the Stink Stompers vehicle
103. Obtain the identical number of buckets as there are pumps laid out from the equipment vehicle
104. Move to the water faucet designated by the contact
105. Fill up each bucket with ½ gallon of water by utilizing the premeasured line on the wall of the bucket – use hot water if available
106. Once the buckets have been filled move the buckets to the RV
107. Set buckets in the center of each bath towel
108. Once the buckets are in place move to the Stink Stompers vehicle
109. Obtain scissors and enough air pump hose for each pump – typically about 2 ft per air pump
110. Ensure hose has a weight attached to the end of it

111. Ensure hose is free of sediments – slide weights away from area that has sediment built up and utilize scissors to cut off end of hose to remove the section of hose that has sediments built up in it
112. Discard the ends of the hose that were cut off in to the trash bag
113. Return the scissors to their designated position
114. Move to the air pumps
115. Connect the hose to the end of each air pump and place the weighted end of the hose in to the water in the 4-gallon bucket
116. Once each hose has been placed in the water plug each air pump in to the extension cord or power strip to ensure they are working – air bubbles will begin to form in the bucket
117. Once all air pumps are operating move to the Stink Stompers
118. Obtain latex gloves from Stink Stompers vehicle
119. Put one latex glove on each of your hands
120. Obtain the Respirator from the Stink Stompers vehicle
121. Put the respirator on - the respirator should fit snugly against your face – utilize the straps to ensure no gas is breathed in
122. Put slight but firm pressure on the front of the respirator to ensure a good seal
123. Obtain an identical number of 100g tablets as there are pumps
124. Move to the air pump
125. Open the Organic gas tablet by sliding the wrapping off
126. Place the tablet in the 4-gallon bucket – do not drop the tablet in, place without getting finger tips wet and without splashing water (note, you may hear a small popping noise, this is normal. If popping is violent and splashing quickly and safely lift bucket and remove from trailer, do not spill)
127. Repeat step and place a 100g tablet in to any additional buckets
128. Ensure all tablets are reacting appropriately – you will begin seeing a yellow vapor develop and grow above the buckets, this means the tablets are working
129. Move to the exit of the RV
130. Close the RV door and ensure it is sealed
131. Once all tabs have been placed and all doors on the vehicle are closed set a timer for 1.5 hours – if a timer is not available then note the time and what time it will be in 1.5 hours
132. Respirator can now be removed
133. Discard tablet wrappers in to equipment vehicle trash bag

Wait Period

4. Check on vehicle after 5 minutes to ensure the organic gas is working
5. To check vehicle put the respirator on – refer to steps 40 – 42 of the “Organic Gas Set Up” section
6. With the respirator on move to the RV door
7. Enter the RV and close the door behind you to ensure the gas does not escape
8. As you move through the RV be sure not to knock or bump any of the buckets or trip on any cords
9. Check for a yellow vapor coming out of each bucket this means the tablets are working and the gas is filling the RV

10. Once both buckets have been confirmed to be working exit the RV
11. Close the RV door and ensure it is sealed
12. After the RV has been checked it is now appropriate time to break

First Air Cycle

25. Once the 1.5-hour timer is finished, prepare to start the first air cycle
26. Begin by putting on the safety respirator – refer to steps 40 – 42 of the “Organic Gas Set Up” section
27. Reapply latex gloves if they have been removed
28. Once all safety equipment is on move to the RV door
29. Enter the RV and close the RV door behind you to ensure the gas does not escape
30. As you move through the RV be sure not to knock or bump any of the buckets or trip on any cords
31. If climate control requires the RV to be on, then move to the ignition and start the RV
32. Once the climate control has power move to the climate controls for the RV
33. Set the fan speed to high and ensure the temperature is at approximately 72 degrees
34. Carefully step out of the vehicle and close – be careful not to bump or knock the Organic gas station at your feet
35. Close the door
36. Set a timer for 30 minutes – if a timer is not available then note the time and what time it will be in 30 minutes
37. Repeat steps for each additional vehicle being serviced

Second Air Cycle

127. Once the 30-minute timer is finished, prepare to start the second air cycle
128. Begin by putting on the safety respirator – refer to steps 40 – 42 of the “Organic Gas Set Up” section
129. Reapply latex gloves if they have been removed
130. Once all safety equipment is on move to the RV door
131. Enter the RV, keep the door open to begin airing out the RV
132. As you move through the RV be sure not to knock or bump any of the buckets or trip on any cords
133. Move to each air pump and unplug them from the power strip or extension cord to turn off
134. Once all air pumps are unplugged begin opening all windows and vents – start at the door and move in a counter clockwise pattern around the RV
135. Move to the climate control and ensure the fan is on high
136. Set a timer for 15 minutes –if a timer is not available then note the time and what time it will be in 15 minutes
137. Once time is set begin “Clean Up Process”

Clean Up

1. Ensure safety respirator is being worn and utilized while the RV is completing the second 15-minute air cycle - refer to steps 40 – 42 of the “Organic Gas Set Up” section to apply respirator
2. Start cleaning up by moving to the air pumps
3. Detach the hose from each air pump and place the hose in its respective bucket
4. Remove the buckets from the RV by ensuring the walkway is clear
5. Lift the bucket with both hands by utilizing the handle in one hand and using the other to stabilize the bucket
6. Exit the RV with the bucket
7. Move to a location where the water in the bucket can be discarded in an appropriate manner - Water will be chlorinated but can be dumped anywhere outside safely and without impact (grass or flowerbeds work well)
8. Once bucket is empty move to the Stink Stompers vehicle
9. Return the hose to the designated location within the Stink Stompers vehicle
10. Return the bucket to the designated location within the vehicle
11. Repeat steps 3 through 9 for any remaining buckets
12. While at the equipment vehicle obtain the pump case and move to the air pumps
13. Move to the air pumps
14. Fold air pump electrical cord in an organized fashion and apply the tie wrap around the cord to secure
15. Place air pump in case
16. Repeat for any additional air pumps
17. Once all air pumps have been returned to the case close the case
18. Return the case to the designated spot in the Stink Stompers vehicle
19. Move to power strip and remove it from the extension cord
20. Return the power strip to its designated spot in the Stink Stompers vehicle
21. Repeat if multiple power strips were used
22. Obtain the extension cord tie wrap and move to the designated electrical outlet
23. Unplug the extension cord and begin wrapping extension cord
24. Once wrapped up apply the tie wrap and return the extension cord to the designated spot in the equipment vehicle
25. Repeat if multiple extension cords were utilized
26. If the 15-minute timer is still counting wait until it has completed otherwise begin the “RV Clean Up” section

RV Clean Up

1. Once the RV has completed its second 15-minute air cycle the respirator can be removed and returned to the Stink Stompers vehicle
2. Move to the RV
3. Enter the RV – all odor smells should be eliminated note any smells that may still be lingering, these may require a return visit
4. If the RV is running move to the ignition and turn the RV off and obtain the keys
5. If the fan is still running move to the climate control and turn all climate controls to the off position

6. If there is still a heavy chlorine smell allow the RV windows and vents to remain open otherwise begin closing all windows and vents by starting at the door and moving in a counter clockwise pattern
7. Exit the RV and close the door behind you
8. Move in to the closure section

Closure

13. After all RVs have been serviced obtain the clipboard with transaction record paper from the Stink Stompers vehicle
14. Find the appropriate follow up contact – refer to the note made earlier
15. Greet the contact and let them know that all RVs have been serviced
16. Ask the customer if they have any questions or if they would like to inspect the RV before you depart
17. If the customer inspects the RV, ask the customer for feedback on the smell – is the original smell still present? Are there any other smells?
18. Note any feedback on the transaction record – If smells are still present a return visit may be necessary
19. Answer any other questions and address any concerns the customer may have
20. Once the customer's questions have been answered ask them what a good day and time for follow up would be and note this on the transaction paper.
21. Thank the customer for their business and tell them to have a nice day
22. Move to the Stink Stompers vehicle
23. Start over from step 1 of the "Starting Vehicle and Driving" section
24. Replace step 5 of the "Starting Vehicle and Driving" section with next stop on the list

Cars, Truck & SUV's

Stink Stompers Auto Methods and Process

Beginning of Day

1. Dress for the Job – wear the appropriate uniform and be physically and mentally ready to work
2. Obtain scheduled stops from dispatch
3. Report to vehicle

4. Ensure all necessary equipment is available within the vehicle
 - Full Face Respirator – Safety First, do not expose yourself to CLO2
 - Latex gloves
 - Neck Towel
 - Air pumps
 - 20-gram CLO2 tablets - ensure extras are available for unscheduled jobs
 - Air hose for pumps – ensure hoses have weights on the ends
 - Cups – have cups with a 4oz fill line premeasured
 - Spill Buckets – buckets for placing 4oz cup in to protect from spills
 - Extension Cords – have at least two 25-foot extension cords available
 - Power Strip – for operating multiple air pumps
 - Small trash bag
 - Clip Board
 - Transaction Record Papers (estimate receipts)
5. Make sure all equipment is in designated location
6. Note any supplies that may be low and refill as necessary – Consult your supervisor on the location and proper methods for refilling any supplies that may be low

Starting Vehicle and Driving

7. Walk around vehicle and ensure any obstacles are cleared
8. Get in driver's seat of vehicle
9. Fasten seatbelt
10. Turn vehicle on
11. Enter Address of first stop (obtained from dispatch) in to GPS prior to placing the vehicle in to drive
12. Once address has been entered and GPS navigation is active safely reverse vehicle out of parking stall
13. Once out of the parking stall place the vehicle in drive and safely enter the roadway
14. Listen for GPS navigation while driving – do not take eyes off of the road
15. Obey all traffic laws while operating vehicle
16. Scan roadway for any obstacles
17. If you must take your eyes off the road, pull the vehicle out of the travel lane in a safe location first – do not look at GPS while vehicle is in travel lane

Arrival

18. Always drive safe, especially through customer property
19. Arrive at location on time, call ahead prior to arrival if running behind due to earlier appointments.
20. Park vehicle in a safe area, ensure vehicle location does not inhibit customer operations
21. Place vehicle in park and turn off vehicle
22. Remove seat belt
23. Exit vehicle
24. Bring clip board with appropriate paperwork

Introduction

25. Locate contact individual – refer to clipboard for name and title
26. Once located introduce yourself to the contact in a pleasant and courteous manner
27. State your reason for the visit
28. If prompted go and visit each vehicle with the contact and note the location of all vehicle(s)
 - Note any smells that the vehicle may have while visiting (cigarette smoke, animal smells, general odor, masking agent, etc.)
29. Ask the customer applicable questions and document findings on the estimate receipt
 - What odor or sanitization problems are you currently having with the vehicle(s)?
 - Has any process already been taken to either mask or eliminate the odor?
 - Any special considerations to be taken on each vehicle
 - Location of the vehicle(s) (if not visited with contact)
 - Are there any other vehicles that you currently have that need odor removal/ sanitization while I'm here? (Offer discount for additional vehicles)
30. Mentally note the location of all vehicles being serviced, document vehicle(s) info on the estimate receipt (Brown Hyundai Sonata, Silver Toyota Prius, etc.)
31. Ask contact for location of all necessary equipment and make mental note
 - Keys to vehicle(s)
 - Where vehicle can be parked with access to an electrical outlet
 - Access to water
 - If the weather is inclement ask if there is an indoor location that can be used to avoid water exposure
32. Ask the customer if they have any further questions and answer appropriately
33. Ask them who to follow up with once the deodorization/ sanitization is complete – make note
34. Thank the customer and begin set up process

Vehicle Set Up

35. Return clip board to Stink Stompers vehicle
36. Move to customer's first vehicle
37. Before entering the customer's vehicle(s) ensure all obstacles are cleared
38. Get in to driver's seat of vehicle
39. Start the vehicle
40. If backing out of a parking stall check to ensure the path is clear
41. Shift vehicle to reverse and slowly back out
42. Once vehicle has been reversed far enough and positioned for forward movement shift to drive and continue forward to designated area for odor removal
43. Safely move each vehicle to a position that is close enough to reach the outlet that the contact has designated
44. Drive safely through the customers parking lot
45. Be aware of your surroundings and keep a safe distance from all obstacles
46. When possible park the vehicle(s) so the driver's side is closest to outlet
47. If servicing multiple vehicles, position additional vehicles as close as possible to original vehicle
48. Once the designated position has been reached place the vehicle in park – do not shut off vehicle yet

49. While vehicle is still on adjust the air conditioning controls to recirculating flow
50. If possible turn heat to 72 degrees, otherwise adjust controls to approximate temperature (whether AC or Heat is used will depend on the outside conditions)
51. Turn fan on full
52. Ensure all windows are rolled all the way up
53. Turn off vehicle
54. Exit vehicle
55. Repeat steps for additional vehicles
56. Once each vehicle has been parked in the designated area, move the Stink Stompers vehicle and equipment so that it is adjacent to the other vehicles
57. Be aware of where you are parking, do not inhibit customers operations

Chlorine Dioxide Set Up

58. Obtain extension cord from equipment vehicle
59. If servicing more than one vehicle obtain multiple extension cords
60. Release extension tie wrap and place in vehicle – do not unravel extension cord(s) yet
61. Walk with extension cord(s) to the designated electrical outlet and plug in
62. Walk back to vehicle being serviced and unravel extension cord as you walk
63. Allow the extension cord to lay in a manner that will not cause unsafe obstacles – use additional extension cords if needed to avoid tripping hazards
64. Repeat unraveling of extension cord to additional vehicles if necessary
65. Obtain power strip(s) from the equipment vehicle
66. Plug power strip(s) in to the end of each extension cords
67. Obtain air pump case from equipment vehicle
68. Move to the end of the first extension cord
69. Open air pump case
70. Remove the designated number of air pumps to be utilized on the first vehicle (vehicles with heavy odor should have two pumps being utilized, those with mild odor will only necessitate one)
71. Remove tie wrap from air pump and place back in case
72. Unravel air pump electrical cord and place in next to power strip – do not plug air pump in yet
73. Repeat for the designated number of pumps until all air pumps are laid out in the ready position
74. Return air pump case to equipment vehicle
75. Obtain the identical number of spill buckets as there are pumps laid out from the equipment vehicle
76. To minimize handles and walking place hose(s) for each air pump in to the spill bucket(s)
77. Ensure hose has a weight attached to the end of it
78. Move spill bucket(s) with hose to the air pump – one spill bucket per air pump (this may require multiple trips from the equipment vehicle)
79. Remove the hose from the bucket and insert the end without the weight in to the designated input on the air pump
80. Keep a spill buckets next to each air pump
81. Repeat for designated number of pumps

82. Obtain identical number of cups as there are pumps from van (this may require multiple trips from equipment vehicle if there are more than 2 air pumps set up)
83. Take the cup(s) to the designated water filling area
84. Fill cup(s) with 4 ounces of water each (line should already be marked on each cup)
85. Take cup(s) to spill buckets and place the whole cup in to each – do not dump water in to spill bucket, place the whole cup with the water inside it in to the spill bucket
86. Repeat for each spill bucket
87. Obtain identical number of chlorine dioxide tablets as there are pumps from equipment vehicle
88. Place a tablet by each spill bucket – do not unwrap tablets yet
89. Obtain latex gloves from equipment vehicle
90. Put one latex glove on each of your hands
91. If weather permits wrap a towel around your neck to avoid and sweat from dripping on to the vehicles upholstery
92. Cover any other areas that may be prone to sweating
93. Open the vehicle door
94. Place the spill bucket with the water cup on the floor of the driver side of the vehicle
95. If using more than one air pump place it opposite to the driver side on the floor of the rear seat – open the rear passenger side door and walk around the vehicle if necessary
96. Return to the air pump
97. Plug the air pump in and ensure it is working
98. Place your finger over the hose and feel for air coming out, if you can feel air then the pump is working
99. After testing place the weighted end of the hose in to the 4oz cup of water that is on the floor of the driver’s side of the vehicle
100. Move the air pump within the vehicle so that the hose and the air pump are within the vehicle – only the air pump cord should be running out of the vehicle, this allows for the doors to close without cutting off airflow to the hose
101. If more than one pump is being used on this vehicle then repeat the testing procedure and place the second hose in the 4oz cup at the floor rear passenger side
102. Once all spill buckets are in place move to the chlorine dioxide tablets
103. Open the chlorine dioxide tablet while outside the vehicle and remove the tablet
104. Move to the driver’s side of the vehicle and place the tablet in the 4oz cup – do not drop the tablet in, place without getting finger tips wet and without splashing water
105. Close the vehicle door
106. If using a pump in the rear of the vehicle repeat the process
107. Once all tabs have been placed and all doors on the vehicle are closed set a timer for 40 minutes – if a timer is not available then note the time and what time it will be in 40 minutes
108. Discard tablet wrappers in to equipment vehicle trash bag
109. Repeat steps for each additional vehicle being serviced

Wait Period

110. Check on vehicle after 5 minutes to ensure the Chlorine Dioxide is working
111. To check vehicle, open the driver’s side door slightly and sniff – if there is a chlorine smell or a visible yellow gas then the Chlorine Dioxide is working

112. Quickly close the vehicle door and allow the timer to complete
113. After each vehicle has been checked it is now an appropriate time to break

First Air Cycle

114. Once the 40-minute timer is finished, prepare to start the first air cycle
115. Begin by obtaining the safety respirator from the vehicle
116. Put on the safety respirator to avoid exposure to Chlorine Dioxide
117. The respirator should fit snugly against your face – utilize the straps to ensure no gas is breathed in
118. Put slight but firm pressure on the front of the respirator to ensure a good seal
119. Once respirator is on reapply any other necessary coverage (neck towel if weather is hot, no sweat can be dripped while in vehicle)
120. Reapply latex gloves if they have been removed
121. Once all safety equipment is on move to the driver's side of the vehicle
122. Open the driver's side door
123. Carefully get in to the vehicle – be very careful not to bump or knock the Chlorine Dioxide station at your feet
124. Start the vehicle – you may need to put your foot on the break or clutch to start the vehicle, be careful not to bump the Chlorine Dioxide station
125. Once the vehicle is started, quickly ensure the air is in recirculating flow and working
126. Carefully step out of the vehicle and close – be careful not to bump or knock the Chlorine Dioxide station at your feet
127. Close the door
128. Set a timer for 20 minutes – if a timer is not available then note the time and what time it will be in 20 minutes
129. Repeat steps for each additional vehicle being serviced

Second Air Cycle

130. Once the 20-minute timer is finished, prepare to start the second air cycle
131. Begin by putting on the safety respirator to avoid exposure to Chlorine Dioxide
132. The respirator should fit snugly against your face – utilize the straps to ensure no gas is breathed in
133. Put slight but firm pressure on the front of the respirator to ensure a good seal
134. Once respirator is on reapply any other necessary coverage (neck towel if weather is hot, no sweat can be dripped while in vehicle)
135. Reapply latex gloves if they have been removed
136. Once all safety equipment is on move to the air pump
137. Unplug the air pump to turn it off
138. If more than one air pump is being used move to the second pump and repeat
139. Once all air pumps are unplugged move to the driver's side door
140. Open the driver's side door
141. Only get in the vehicle if necessary to reach window or air conditioning controls
142. Use the switch board to roll down all vehicle windows – For older vehicles move from door to door and manually roll down each window
143. Keep doors with pumps and spill buckets open, close all others

144. Keep vehicle on and switch the air conditioning controls from recirculating to fresh air
145. Remove the hose from the spill bucket and place on ground outside of vehicle – be careful not to get any water on the interior of the vehicle.
146. Remove the spill bucket with the 4oz cup of water from the vehicle and place next to the air pump
147. Close the vehicle door
148. Repeat steps for additional pumps and spill buckets
149. Allow vehicle an additional 15 minutes to air out
150. Safety respirator may now be removed
151. Latex gloves may now be removed
152. After 15 minutes shut off vehicle and check for any lingering smells
153. Check to see if any of the smells noted before the chlorine dioxide was applied are present– the car will have a chlorine smell, but this should be the only smell present
154. If any noted smells are still present repeat the chlorine dioxide process with fresh 4oz cup of water and a new chlorine dioxide tablet
155. If all smells have successfully been removed move on to the cleanup process

Clean Up

156. Start cleaning up by moving to the spill bucket(s)
157. Remove the 4oz cup from the spill bucket and discard the water in an appropriate location – Water will be chlorinated but can be dumped anywhere outside safely and without impact (grass or flowerbeds work well)
158. Return 4oz cups to buckets
159. Remove hose from air pump and place in spill bucket with 4oz cup
160. Take spill bucket to the equipment vehicle and return items to their appropriate location
161. Repeat process for any additional spill buckets
162. While at the equipment vehicle obtain the pump case and move to the air pumps
163. Open pump case and remove tie wrap for pump case electrical cord
164. Fold air pump electrical cord in an organized fashion and apply tie wrap
165. Place air pump in case
166. Repeat for any additional air pumps
167. Once all air pumps have been returned to the case close the case
168. Return the case to the designated spot in the equipment vehicle
169. Move to power strip and remove it from the extension cord
170. Return the power strip to its designated spot in the equipment vehicle
171. Repeat if multiple power strips were used
172. Obtain the extension cord tie wrap and move to the designated electrical outlet
173. Unplug the extension cord and begin wrapping extension cord
174. Once wrapped up apply the tie wrap and return the extension cord to the designated spot in the equipment vehicle
175. Repeat if multiple extension cords were utilized
176. Once all equipment has been returned close the equipment vehicle
- 177.

Vehicle return

178. Move to customer's first vehicle to return it to its designated spot in the customer lot
179. Before entering the customer's vehicle(s) ensure all obstacles are cleared
180. Get in to driver's seat of vehicle
181. Start the vehicle
182. If backing out of a parking stall check to ensure the path is clear
183. Shift vehicle to reverse and slowly back out
184. Once vehicle has been reversed far enough and positioned for forward movement shift to drive and continue forward to designated area for odor removal
185. Drive safely through the customers parking lot
186. Be aware of your surroundings and keep a safe distance from all obstacles
187. Once the designated position has been reached pull the vehicle in to the parking spot
188. Be mindful of other vehicles when pulling in to the designated parking spot
189. Once vehicle is in position ensure all windows are rolled up
190. Shift vehicle to park
191. Turn off vehicle
192. Remove keys and exit vehicle
193. Close vehicle door
194. Repeat steps for any additional vehicles that were serviced

Closure

195. After all vehicles have been returned obtain clip board from vehicle
196. Ensure transaction record is all filled out and ready for customer signature
197. Find the appropriate follow up contact – refer to the note made earlier
198. Greet the contact
199. State that the job has been completed and all the odor has been successfully eliminated
200. Give the customer the total expense for the vehicles service
201. Answer any questions the customer may have
202. Obtain signature from customer to accept payment
203. After customer has signed the transaction record tear off the carbon copy and leave them with the top copy
204. Thank the customer for their business and tell them to have a nice day
205. Move to equipment vehicle
206. Start over from step 7
207. Replace step 11 with next stop on the list

Gassing Instructions For tabs and Kits

Tab/Kit	A Bucket Water	B Bucket Water
20g tab	4oz each cup	n/a
100g tab	1/2 Gallon	n/a
50g kit	1/4 Gallon	1/4 Gallon
100g kit	1/2 Gallon	1/2 Gallon
500g kit	1 Gallon	1/2 Gallon

*50-gram, 100-gram and 500-gram kits require 2 buckets

Dealer Questionnaire

The purpose of this paper is to give the Stink Stompers Salesperson a loosely scripted guide for making introductions and quickly finding out if our product can help the customer.

Instructions:

Begin by filling out all available info prior to making the introduction (date, company and address). Enter the dealership and move to the front desk. Introduce yourself to the receptionist and state your reason for the visit:

“Hi my name is _____ I work for Stink Stompers a company that specializes in odor removal. I’m here today to see if there is someone I might talk to about our services.”

If the receptionist gives you the name of a specific person ask if they are available and where to find them. If the person is not currently available ask what a good time to come back would be and note it on this paper. If the person is available either ask to speak to them or go seek them out as necessary.

Once you have identified the decision maker make an appropriate introduction:

“Hi my name is _____ I work for Stink Stompers a company that specializes in odor removal. How are you doing today?”

“I’m curious if your dealership has any vehicles that might have odor problems?”

Fill in the information and questions below without losing rapport with the customer. Fill in information after customer-visit if necessary. Ask for a business card to get the contact info requiring attention to detail.

Decision Maker: _____

Company: _____

Address: _____

Email: _____

What types of odor problems does the customer typically run in to? (cigarette, animal, etc.)

How often does the customer run in to vehicles that have odor problems? Is it a frequent problem?

Does the customer currently have any vehicles that have an odor problem? If prompted accompany the customer to the vehicle.

Has the customer already used any methods to try and remove the odor? (ozone machine, odor bomb, etc.)

Would the customer be willing to allow us to demo a vehicle? If so, date and time that work or a time to check back.

Any other notes given by the customer:

After you have collected all relevant information of the customer has accepted to do a demo thank them for their time and be sure to leave them with a business card or a brochure.

More Info / MSDS

BECKART ENVIRONMENTAL, INC.

6900 46TH STREET
KENOSHA, WI 53144
PHONE # (262) 656-7680

Safety Data Sheet
Revision date: 7/16/15

This SDS complies with 29 CFR 1910.1200 and appendix D (The Hazard Communication Standard- GHS)

SECTION 1: IDENTIFICATION:

PRODUCT NAME: Aqua-Tab
PRODUCT TYPE: Deodorizing delivery system for the generation of chlorine dioxide
CHEMICAL NAME: Tablet composition containing Sodium Chlorite and additives

<u>SUPPLIER:</u>	<u>EMERGENCY 24/7 CONTACT</u>
BECKART ENVIRONMENTAL 6900 46 TH STREET KENOSHA, WI 53144 PHONE: (262)656-7680 FAX: (262)656-7699	CHEMTREC PHONE 1-800-424-9300

SECTION 2: HAZARDS IDENTIFICATION:

Emergency Overview

GHS Classification:

- Reproductive toxicity
- Respiratory sensitizer
- Target organ toxicity
- Oxidizing solids (Category 2)
- Acute Toxicity- Oral (Category 3)
- Acute Toxicity- Dermal (Category 2)
- Acute Toxicity- (inhalation: dust, mist) (Category 2)
- Corrosion- Causes severe skin burns and eye damage (Category 1B)
- Eye damage- Serious eye damage/eye irritation (Category 1)
- Aquatic toxicity (Category 1)

GHS Label elements, including precautionary statements

Pictogram
s



GHS Signal Word **Danger**

GHS Hazard statement(s): Contact with water releases flammable gas.
May intensify fire: oxidizer.
Harmful if swallowed.
Toxic in contact with skin or if inhaled.
Causes skin irritation and serious eye damage.
May damage fertility or the unborn child.
May cause damage to organs (Oral, blood and Hematopoietic system)
Toxic to aquatic life.

Precautionary statement(s)- PREVENTION:

Obtain special instructions before use.
Do not Handle until all safety precautions have been read and understood.
Keep away from heat, sparks, open flames, hot surfaces, no smoking
Keep/Store away from clothing/ combustible materials.
Handle and Store contents under inert gas.
Do not allow contact with water/ protect from moisture.
Wear protective gloves/eye protection and face protection.

Wash hands thoroughly after handling.

Do not eat, drink or smoke when using this product

Do not breathe dust/fume/gas/mist/vapors/spray.

Precautionary statement(s)- RESPONSE:

In case of fire: use water, sand to extinguish.

IF SWALLOWED: Rinse mouth. Call a poison center/doctor if you feel unwell..

IF ON SKIN (or hair) : Remove/take off immediately all contaminated clothing and wash before reuse. Rinse skin with water/shower. If skin irritation occurs: Get medical attention/advice. Call a poison center/doctor if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

If exposed or concerned: Call a poison center/doctor seek medical advice.

Collect spillage. Store in dry place. Store in a closed container. Store locked up.

Dispose of contents/container to comply with local, state and federal regulations.

Other Hazards Not Contributing to the Classification: Not available.

Unknown Acute Toxicity: Not available.

Potential Health effects:

Inhalation: May be fatal if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

Skin: May be fatal if absorbed through skin. Causes skin burns.

Eyes: Causes eye burns

Ingestion: Toxic if swallowed.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS:

<u>Ingredient</u>	<u>CAS #:</u>	<u>Percent (%)</u>	<u>EC-No</u>
Sodium Chlorite	7758-19-2	8-24%	231-836-6
Sodium Bisulfate	2893-78-9	12-35%	231-655-7

*A range of concentration as prescribed by the Controlled Products Regulations has been used where necessary, due to varying composition. The specific chemical identity and/or exact percentage of composition has been withheld as a trade secret within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200].

SECTION 4: FIRST AID MEASURES:

General: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

If inhaled: Using proper respiratory protection, immediately move the exposed person to fresh air. Keep at rest and in a position comfortable for breathing. Seek medical attention immediately. If not breathing, give artificial respiration.

In case of skin contact: Take off contaminated clothing and shoes immediately. Flush skin with soap and plenty of water. Immediately call a POISON CENTER or doctor/physician.

In case of eye contact: Immediately rinse with water for at least 15 minutes while holding the eyelids wide open. Immediately call a POISON CENTER or doctor/physician. Continue rinsing eyes during transport to hospital.

If swallowed: Do NOT induce vomiting. Seek medical attention immediately.

Most Important Symptoms/ Effects (Acute and Delayed)

General: Causes severe skin burns and eye damage

Inhalation (Breathing): Fatal if inhaled.

Skin: Fatal in contact with skin.

Eye: Causes serious eye damage.

Ingestion (Swallowing): Toxic if swallowed. Swallowing a small quantity of this material will result in serious health hazard.

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Indication of any immediate medical attention and special treatment

needed: If you feel unwell, seek medical advice (show label where possible).

Product Name: Aqua-Tab (all sizes of tablets)

SECTION 5: FIREFIGHTING MEASURES:

Extinguishing media:

Suitable extinguishing media: Use extinguishing agents appropriate for surrounding fire.

Unsuitable extinguishing media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Special Hazards Arising from the substance or mixture:

Fire Hazard: Not flammable, may intensify fire: oxidizer.

Explosion Hazard: Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. Chlorine dioxide gas evaporated from solutions may explode at concentrations of 10% by volume. Don't allow chlorine dioxide gas to accumulate with a confined space.

Reactivity: Thermal decomposition generates: corrosive vapors.

Advice for Firefighters:

Precautionary Measures Fire: Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present. Open/vent containers. Do not allow solutions to evaporate to dryness. Vent to atmosphere.

Firefighting Instructions: Keep upwind. Use water spray or fog for cooling exposed containers. **Protection during firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection. Notify appropriate authorities if liquid enters sewers or waterways.

Hazardous combustion Products: Corrosive vapors. Acrid smoke and irritating fumes.

Other information: Do not allow run-off from fire fighting to enter drains or water sources.

Reference to Other Sections: Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES:

Personal precautions, Protective equipment and Emergency procedures

General Measures: Avoid all unnecessary exposure. Avoid dust formation. Do not get in eyes, on skin, or on clothing. Do not breathe vapor, mist or spray. Ensure adequate ventilation. No smoking.

For Non-Emergency Personnel

Protective equipment: Use appropriate personal protection equipment (PPE), safety glasses, gloves, dust mask.

Emergency procedures: Evacuate unnecessary personnel. Keep upwind.

For Emergency Personnel

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Ventilate area. Eliminate ignition sources.

Environmental Precautions

If spill could potentially enter any waterway, including intermittent dry creeks, contact the U.S. COAST GUARD

NATIONAL RESPONSE CENTER at 800-424-8802. In case of accident or road spill notify CHEMTREC at 800-424-9300 (in USA) or (international code) + 1-703-527-3887.

Methods and materials for containment and cleaning up

Methods for cleaning up: Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by we-brushing and place in container for disposal according to local regulations. . Clear up spills immediately and dispose of waste safely. Practice good housekeeping. Dilute chlorine dioxide solutions

(100-200ppm) do not need to be pH neutralized. Flush residual material, down drain with an excess of water, in accordance with local regulations.

Reference to other sections: See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE:

Conditions for safe storage, including any incompatibilities

Page 4 of 6

Store in a cool, dry, well ventilated location, away from incompatible /flammable materials and direct sunlight. Keep container tightly closed when unused.

Incompatible Materials: Store away from flammable materials. Storage on wooden floors and pallets is not recommended.

Specific End Uses

Use product only as directed by label. Keep away from children/animals. Avoid contact with skin/eyes. Avoid breathing any vapors/fumes.

Product Name: Aqua-Tab (all sizes of tablets)

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION:

Exposure controls

Appropriate Engineering controls: Use approved air purifying respirators/canister/Cartridge facial respirators rated for chlorine/acid vapors specified for chlorine dioxide when fogging/spraying. Open air/ good ventilation is normally adequate for safe use of product.

Personal Protective Equipment: Avoid all unnecessary exposure. Wear respiratory protection if required. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust. Protective goggles. Gloves. Protective clothing.

Materials for protective clothing: Wear suitable protective clothing, Rubber/neoprene/chemically impervious.

Hand protection: Impermeable protective gloves. Nitrile rubber, neoprene.

Eye protection: A full face shield is recommended. Chemical goggles.

Skin and body protection: Wear suitable protective clothing. Chemical resistant suit.

Respiratory protection: Use a NIOSH approved respirator or self contained breathing apparatus whenever exposure may exceed established Occupations Exposure Limits. Where risk assessment shows air purifying respirators are appropriate use a full face particle respirator type N100.

Environmental Exposure Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Consumer Exposure controls: Do not eat, drink or smoke during use.

Supplemental safety and Health: Open and vent any large containers. Thoroughly rinse all protective gear and handling equipment with water prior to reuse/storage. Product may Bleach clothing and fabric materials such as draperies and carpets. Don't allow chlorine dioxide gas to accumulate within a confined space.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES:

Physical state: tablet form

Appearance: White

Odor: Chlorine (like) odor, slight

pH value: 1.45 approx, 40g/l water

Melting point: Not available

Stability: 1 year

Solubility: reacts with water to produce yellow liquid, dissolves within 5 mins.

SECTION 10: STABILITY AND REACTIVITY:

Chemical Stability: Stable under recommended handling and storage conditions (see section 7). **Possibility of Hazardous reactions:** Hazardous polymerization will not occur.

Conditions to avoid: Direct sunlight, moisture, extremely high or low temperatures, open flames, sources of ignition and incompatible materials.

Incompatible materials: Bleach, metals, strong acids, alkalis, reducing agents, combustible materials (Phosphorous, sulfur), catalytic agent, explosive-reaction chemicals (carbon monoxide, mercury, hydrogen, butadiene, ethane, methane, propane).

Hazardous decomposition products: Upon exposure to water vapor, chlorine dioxide gas is released.

SECTION 11: TOXICOLOGICAL INFORMATION:

Acute oral ingested: No toxicity

Accumulating toxicity: Low toxicity

Medulla incarnadining cell particulate test by rat: does not cause micro kernal

Health Hazard data:

Standard Draize test: Administration into the eye/Rabbit/ 100mg/ severity: Mild

Acute toxicity data:

LD50 lethal dose, 50 percent kill/ oral/ Rat/ 292mg/kg/Toxic effects: Behavioral, somnolence (general depressed activity). Lungs, tórax or respiration- respiratory simulation. Skin and appendages- Hair.

LCLo- Lowest published lethal concentration/inhalation/ Rat/ 260ppm/2H/ Toxic effects: Sense organs and special senses (olfaction)- effect, not otherwise specified. Sense organs and special senses (eye)- effect, not otherwise specified.

LD50- Lethal dose, 50 percent kill/Rat/ 140mg/kg/ Toxic effects: Details of toxic effects not reported other tan lethal dose value.

Product Name: Aqua-Tab (all sizes of tablets)

Other multiple dose toxicity data:

LDLo- Lowest published toxic dose/ oral/ rat/ 365mg/kg/1Y-C/ Toxic effects: Blood- pigmented or nucleated red blood cells. Blood other changes nutritional and gross metabolic- weight loss or decreased weight gain. TCLo- Lowest published toxic concentration/inhalation/rat/ 10ppm/4H/14-D-1/ Toxic effects: Sense organs and special senses (olfaction)- effect, not otherwise specified Kidney, ureter, bladder- other changes related to chronic data- death.

Reproductive toxicity:

TDLo- Lowest published toxic dose/ oral/rat/ 960mg/kg/sex/duration: female 76 days (pre-mating), female 120 days (after conception)/toxic effects: Reproductive- fertility- pre-implantation mortality (e.g. reduction in the number of implants per female: total number of implants per corpora lutea). Reproductive- Fertility- litter size (e.g. number of fetuses per litter; measured before birth).

TDLo-lowest published toxic dose/Oral/rat/ 570mg/kg/ sex/duration: female 14 days (pre-mating)-21 days post-birth. Toxic effects: Reproductive- effects on newborn-behavioral Reproductive-effects on newborn-physical. inhalation rat

TDLo-lowest published toxic dose/Oral/rat/ 1130mg/kg/ sex/duration: male 8 weeks (pre-mating)-female 2 weeks (pre-mating)- 3 weeks post birth. Toxic effects: Reproductive- effects on newborn-biochemical and metabolic.

TDLo-lowest published toxic dose/Oral/mouse/ 840mg/kg/ sex/duration: female 1-21 days after conception, lactating female 21 days post birth Toxic effects: Reproductive- effects on newborn-growth statistics (e.g. percent weight gain.)

Mutation data:

Mutation in microorganisms/ Bacteria (Salmonella typhimurium)/ 400ug/plate

DNA inhibition/oral/rat/ 84 mg/kg/12W (continuous)

Micronucleus test/intraperitoneal/mouse/3200 ug/kg

SECTION 12: ECOLOGICAL INFORMATION:

Toxicity

Ecology-General: Not regarded as dangerous for the environment. Do not release into surface waters.

Persistence and Degradability Not established

Bioaccumulative Potential: not applicable

Mobility in soil Not available

Other adverse effects Avoid release to the environment

SECTION 13: DISPOSAL INFORMATION:

Waste Treatment methods: Dispose of waste material in accordance with all local, regional, national, and international regulations. Large volumes should be taken to an authorized chemical disposal site/landfill in accordance with local and national regulations. Used product may have different hazards or properties than the original product.

Sewage Disposal Recommendations: Do not dispose of waste into sewer. Do not empty into drains; dispose of this material and its container in a safe way. Avoid release to the environment. Page 6 of 6

SECTION 14: TRANSPORT INFORMATION:

U.S. DOT 49 CFR 172.101: UN2813, Water reactive solid, N.O.S., 4.3, PGII

DOT Small Quantity Exception:

This package conforms to 49 CFR 173.4 for domestic highway or rail transport only.

SECTION 15: REGULATORY INFORMATION:

US Federal Regulations

OSHA REGULATORY STATUS: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

TSCA: Sodium Chlorite (7758-19-2) Listed on the US TSCA (Toxic Substances Control Act) inventory

Canadian Regulations: Sodium Chlorite (7758-19-2) **WHMIS Classification:**

Class C- Oxidizing material

Class D Division 1 Subdivision A- Very toxic material causing immediate and serious toxic effects.

Product Name: Aqua-Tab (all sizes of tablets)

Class E- Corrosive Material

SECTION 16: OTHER INFORMATION:

Revision date: 7/16/15

Health- 3 Serious hazard- major injury likely unless prompt action is taken and medical treatment is given Flammability- 0 minimal hazard

Physical- 0 minimal hazard

Personal protection: F

This data is furnished gratuitously independent of any sales of the product and only for your investigation and independent verification. While the information is believed to be correct, Beckart Environmental shall in no event be responsible for any damages whatsoever, directly or indirectly, resulting from the publication of or reliance upon data contained herein. No warranty, either expressed or implied, or merchantability, of fitness, or of any nature with respect to the product, or data, is made herein. You are urged to obtain data sheets for all Beckart chemicals you buy, process, use, or distribute, and encouraged to advise anyone working or exposed to such products of the information contained herein.

BECKART ENVIRONMENTAL, INC.

6900 46TH STREET

KENOSHA, WI 53144

PHONE # (262) 656-7680

Safety Data Sheet

Revision date: 5/21/15

This SDS complies with 29 CFR 1910.1200 and appendix D (The Hazard Communication Standard- GHS)

SECTION 1: IDENTIFICATION:

PRODUCT NAME: Aqua-Dry Kits (50G, 100G, 500G) - Component A
PRODUCT TYPE: Deodorizing delivery system (pouch) for the generation of chlorine dioxide
CHEMICAL NAME: Powder composition containing Sodium Chlorite and additives

SUPPLIER:

BECKART ENVIRONMENTAL
6900 46TH STREET
KENOSHA, WI 53144
PHONE: (262)656-7680 FAX: (262)656-7699

EMERGENCY 24/7 CONTACT

CHEMTREC PHONE 1-800-424-9300

SECTION 2: HAZARDS IDENTIFICATION:

Emergency Overview

GHS Classification:

- H272 Oxidizing solids (Category 2)
- H301 Acute Toxicity- Oral (Category 3)
- H310 Acute Toxicity- Dermal (Category 2)
- H330 Acute Toxicity- (inhalation: dust, mist) (Category 2)
- H314 corrosion- Causes severe skin burns and eye damage (Category 1B)
- H318 eye damage- Serious eye damage/eye irritation (Category 1)
- H400 Acute aquatic toxicity (Category 1)

GHS Label elements, including precautionary statements

Pictograms



GHS Signal Word Danger

GHS Hazard statement(s): H272 May intensify fire: oxidizer.

H301 Toxic if swallowed.

H310+H330 Fatal in contact with skin or if inhaled.

H314 Causes severe skin burns and eye damage.

H400 Very toxic to aquatic life.

Precautionary statement(s)- PREVENTION:

P210 Keep away from heat, sparks, open flames, hot surfaces, no smoking

P220 Keep/Store away from clothing/ combustible materials.

P260 Do not breath dust/fume/gas/mist/vapors/spray.

P262 Do not get in eyes, on skin, or on clothing

P270 Do not eat, drink or smoke when using this product

P271 Use only outdoors or in a well-ventilated area

P273 Avoid release to the environment.

P280 Wear protective gloves/protective clothing/eye protection/ face protection.

P284 (in case of inadequate ventilation) Wear respiratory protection.

Precautionary statement(s)- RESPONSE:

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do Not induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340- IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor.

P363 Wash contaminated clothing before reuse.

P370+P378- In case of fire: Use carbon dioxide, powder, alcohol-resistant foam for extinction.

P391 Collect spillage

P403+P233 Store in well ventilated place. Keep container tightly closed.

P405 Store locked up

P501 Dispose of contents/container to comply with local, state and federal regulations.

Other Hazards Not Contributing to the Classification: Not available.

Unknown Acute Toxicity: Not available.

Potential Health effects:

Inhalation: May be fatal if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

Skin: May be fatal if absorbed through skin. Causes skin burns.

Eyes: Causes eye burns

Ingestion: Toxic if swallowed.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS:

Ingredient	CAS #:	Percent (%)	EC-No
Sodium Chlorite	7758-19-2	<45%	231-836-6

Full text of H-phrases: see section 16

*A range of concentration as prescribed by the Controlled Products Regulations has been used where necessary, due to varying composition. The specific chemical identity and/or exact percentage of composition has been withheld as a trade secret within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200].

SECTION 4: FIRST AID MEASURES:

General: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

If inhaled: Using proper respiratory protection, immediately move the exposed person to fresh air. Keep at rest and in a position comfortable for breathing. Seek medical attention immediately. If not breathing, give artificial respiration.

In case of skin contact: Take off contaminated clothing and shoes immediately. Flush skin with soap and plenty of water. Immediately call a POISON CENTER or doctor/physician.

In case of eye contact: Immediately rinse with water for at least 15 minutes while holding the eyelids wide open. Immediately call a POISON CENTER or doctor/physician. Continue rinsing eyes during transport to hospital.

If swallowed: Do NOT induce vomiting. Seek medical attention immediately.

Most Important Symptoms/ Effects (Acute and Delayed)

General: Causes severe skin burns and eye damage

Inhalation (Breathing): Fatal if inhaled.

Skin: Fatal in contact with skin.

Eye: Causes serious eye damage.

Ingestion (Swallowing): Toxic if swallowed. Swallowing a small quantity of this material will result in serious health hazard.

Indication of any immediate medical attention and special treatment needed:

If you feel unwell, seek medical advice (show label where possible).

SECTION 5: FIREFIGHTING MEASURES:

Extinguishing media:

Suitable extinguishing media: Use extinguishing agents appropriate for surrounding fire.

Unsuitable extinguishing media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Special Hazards Arising from the substance or mixture:

Fire Hazard: Not flammable, may intensify fire: oxidizer.

Explosion Hazard: Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

Reactivity: Thermal decomposition generates: corrosive vapors.

Advice for Firefighters:

Precautionary Measures Fire: Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.

Firefighting Instructions: Keep upwind. Use water spray or fog for cooling exposed containers.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. Notify appropriate authorities if liquid enters sewers or waterways.

Hazardous combustion Products: Corrosive vapors. Acrid smoke and irritating fumes.

Other information: Do not allow run-off from fire fighting to enter drains or water sources.

Reference to Other Sections: Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES:

Personal precautions, Protective equipment and Emergency procedures

General Measures: Avoid all unnecessary exposure. Avoid dust formation. Do not get in eyes, on skin, or on clothing. Do not breathe vapor, mist or spray. Ensure adequate ventilation. No smoking.

For Non-Emergency Personnel

Protective equipment: Use appropriate personal protection equipment (PPE), safety glasses, gloves, dust mask.

Emergency procedures: Evacuate unnecessary personnel. Keep upwind.

For Emergency Personnel

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Ventilate area. Eliminate ignition sources.

Environmental Precautions

If spill could potentially enter any waterway, including intermittent dry creeks, contact the U.S. COAST GUARD NATIONAL RESPONSE CENTER at 800-424-8802. In case of accident or road spill notify CHEMTREC at 800-424-9300 (in USA) or (international code) + 1-703-527-3887.

Methods and materials for containment and cleaning up

Methods for cleaning up: Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by we-brushing and place in container for disposal according to local regulations. . Clear up spills immediately and dispose of waste safely. Practice good housekeeping

Reference to other sections: See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE:

Precautions for safe handling

Additional Hazards when processed: Hazardous waste due to potential risk of explosion.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Always wash your hands immediately after handling this product, and once again before leaving the workplace. Provide good ventilation in process area to prevent formation of vapor. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke in the areas where product is used.

Conditions for safe storage, including any incompatibilities

Technical measures: Observe all regulations and local requirements regarding storage of containers. Proper grounding procedures to avoid static electricity should be followed.

Storage conditions: Store in a dry, cool and well ventilated place. Keep containers closed when not in use. Store away from heat sources, ignition sources, direct sunlight, incompatible materials, combustible materials.. Storage areas should be periodically checked for corrosion and integrity. Useable materials for containers are PE, PP< PVC.

Incompatible Materials: Strong reducing agents, metals, ammonia, combustible materials, amines, sources of ignition, direct sunlight, heat sources.

Specific End Uses

For use with component B of the aquadry-kit as a deodorizing delivery system (pouch) for the generation of chlorine dioxide.

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION:

Control parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

Exposure controls

Appropriate Engineering controls: Product to be handled in a close system and under strictly controlled conditions. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment: Avoid all unnecessary exposure. Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist orgas. Ensure adequate ventilation. Avoid breathing dust. Protective goggles. Gloves. Protective clothing.

Materials for protective clothing: Wear suitable protective clothing.

Hand protection: Impermeable protective gloves. Nitrile rubber.

Eye protection: A full face shield is recommended. Chemical goggles.

Skin and body protection: Wear suitable protective clothing. Chemical resistant suit.

Respiratory protection: Use a NIOSH approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupations Exposure Limits. Where risk assessment shows air purifying respirators are appropriate use a full face particle respirator type N100.

Environmental Exposure Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Consumer Exposure controls: Do no eat, drink or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES:

Physical state:	powder	Appearance:	White
Odor:	Almost odorless	Odor Threshold(ppm):	No data available
pH:	10 approx. 100g/l water	Melting point:	Not available
Boiling point:	N/A	Solubility:	250g/l water (@ 20degrees C)

SECTION 10: STABILITY AND REACTIVITY:

Chemical Stability: Stable under recommended handling and storage conditions (see section 7).

Possibility of Hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: Direct sunlight, moisture, extremely high or low temperatures, open flames, sources of ignition and incompatible materials.

Incompatible materials: Reducing agents, oxidizers, acids, combustible materials.

Hazardous decomposition products: Under fire conditions, Carbon oxides, Hydrogen chloride gas, Sodium oxides.

SECTION 11: TOXICOLOGICAL INFORMATION:

Information on Toxicological Effects- Product: Aqua-dry kit component A

Acute Toxicity: Toxic if swallowed. Fatal in contact with skin. Fatal if inhaled.

Acute (oral) LD50200-2000 mg/kg (Rats) (OECD 401)

Skin corrosion/ irritation: Skin- rabbit- Corrosive (Sodium Chlorite) (OECD 404)

Serious eye damage: causes serious eye damage

Information on Toxicological Effects- Ingredient(s): Sodium chlorite (7758-19-2)

LD50 and LC50 Data:

LD50 Oral Rat 200-500 mg/kg

LD50 dermal rabbit 50-400mg/kg

LC50 inhalation rat 0.23mg/l/4h

Reproductive toxicity: Not classified

Specific target organ toxicity (single exposure): Not classified

Specific target organ toxicity (repeated exposure): Not classified

Potential adverse human health effects and symptoms: Based on available data, the classification criteria are not met. Toxic if swallowed. Fatal in contact with skin. Fatal if inhaled.

Symptoms/injuries after inhalation: Fatal if inhaled.

Symptoms/injuries after skin contact: Fatal in contact with skin.

Symptoms/injuries after eye contact: Causes serious eye damage.

Symptoms/injuries after ingestion: Toxic if swallowed. Swallowing a small quantity of this material will result in serious health hazard.

SECTION 12: ECOLOGICAL INFORMATION:

Toxicity

Ecology-General: Very toxic to aquatic life.

Aqua-dry kits- Component A

Fish toxicity : LC50 Fish 1 100-2000mg/l (96h. Brachydanio rerio) OECD 203

Bacteria toxicity: EC50 100-800 mg/l (OECD209)

Sodium Chlorite (7758-19-2)

LC50 Fish 1 100-500mg/l (96h. Brachydanio rerio: Technical product)

EC50 Daphnia 1 1 mg/l (Exposure time: 48 h- Species: Daphnia magna : Technical product).

LC 50 Fish 2 50 mg/l (Exposure time: 48h- Species: Lepomis macrochirus)

EC50 Daphnia 2 0.29mg/l (48h: Daphnia magna)

Persistence and Degradability Not established

Bioaccumulative Potential

Sodium Chlorite (7758-19-2)

Log Pow -7.18 (estimated value)

Bioaccumulation potential Bioaccumulation: not applicable

Mobility in soil Not available

Other adverse effects Avoid release to the environment

SECTION 13: DISPOSAL INFORMATION:

Waste Treatment methods: Dispose of waste material in accordance with all local, regional, national, and international regulations. Hazardous waste due to toxicity.

Sewage Disposal Recommendations: Do not dispose of waste into sewer. Do not empty into drains; dispose of this material and its container in a safe way. Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION:

U.S. DOT 49 CFR 172.101: UN1496, Sodium Chlorite, 5.1, PGII

DOT Packaging Exceptions (49 CFR 173.xxx): None

SECTION 15: REGULATORY INFORMATION:

US Federal Regulations

OSHA REGULATORY STATUS: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

TSCA:

Sodium Chlorite (7758-19-2) Listed on the US TSCA (Toxic Substances Control Act) inventory

Canadian Regulations

Sodium Chlorite (7758-19-2)

WHMIS Classification:

Class C- Oxidizing material

Class D Division 1 Subdivision A- Very toxic material causing immediate and serious toxic effects.

Class E- Corrosive Material

SECTION 16: OTHER INFORMATION:

Revision date: 5/13/15

GHS Full Text Phrases:

Acute Tox. 2 (Dermal)	Acute toxicity (dermal), Category 2
Acute Tox. 2 (Inhalation: dust, mist)	Acute toxicity (inhalation: dust, mist) category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (oral)	Acute toxicity (oral) Category 4
Aquatic Acute 1	Hazardous to the aquatic environment- Acute Hazard Category 1
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Ox. Sol. 2	Oxidizing Solids, Category 2
Skin Corr. 1B	Skin corrosion/irritation Category 1B
H272	May intensify fire: oxidizer
H301	Toxic if swallowed
H302	Harmful if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H330	Fatal if inhaled
H400	Very toxic to aquatic life

HMIS rating:

Health- 3 Serious hazard- major injury likely unless prompt action is taken and medical treatment is given

Flammability- 0 minimal hazard

Physical- 0 minimal hazard

Personal protection: F

This data is furnished gratuitously independent of any sales of the product and only for your investigation and independent verification. While the information is believed to be correct, Beckart Environmental shall in no event be responsible for any damages whatsoever, directly or indirectly, resulting from the publication of or reliance upon data contained herein. No warranty, either expressed or implied, or merchantability, of fitness, or of any nature with respect to the product, or data, is made herein. You are urged to obtain data sheets for all Beckart chemicals you buy, process, use, or distribute, and encouraged to advise anyone working or exposed to such products of the information contained herein.

BECKART ENVIRONMENTAL, INC.

6900 46TH STREET

KENOSHA, WI 53144

PHONE # (262) 656-7680

Safety Data Sheet

Revision date: 5/22/15

This SDS complies with 29 CFR 1910.1200 and appendix D (The Hazard Communication Standard- GHS)

SECTION 1: IDENTIFICATION:

PRODUCT NAME: Aqua-Dry Kits (50G, 100G, 500G) - Component B
PRODUCT TYPE: Deodorizing delivery system (pouch) for the generation of chlorine dioxide
CHEMICAL NAME: Powder composition containing Sodium Bisulfate Anhydrous and additives

SUPPLIER:

BECKART ENVIRONMENTAL
6900 46TH STREET
KENOSHA, WI 53144
PHONE: (262)656-7680 FAX: (262)656-7699

EMERGENCY 24/7 CONTACT

CHEMTREC PHONE 1-800-424-9300

SECTION 2: HAZARDS IDENTIFICATION:

Emergency Overview

GHS Classification:

H301 Acute Toxicity- Oral (Category 4)
H318 Eye damage- Serious eye damage/eye irritation (Category 1)

GHS Label elements, including precautionary statements

Pictograms



GHS Signal Word Danger

GHS Hazard statement(s): H302 Harmful if swallowed

H314 Causes severe skin burns and eye damage

H318 Causes serious eye damage

Precautionary statement(s)- PREVENTION:

P270 Do not eat, drink or smoke when using this product

P280 Wear protective gloves/protective clothing/eye protection/ face protection.

Precautionary statement(s)- RESPONSE:

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do Not induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor.

P363 Wash contaminated clothing before reuse

P403+P233 Store in well ventilated place. Keep container tightly closed.

P405 Store locked up

P501 Dispose of contents/container to comply with local, state and federal regulations

Other Hazards Not Contributing to the Classification: Not available.

Unknown Acute Toxicity: Not available.

Potential Health effects:

Skin: Corrosive, Causes skin burns.

Eyes: Causes eye burns

Ingestion: May be harmful or Toxic if swallowed.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS:

Ingredient	CAS #:	Percent (%)	EC-No
Sodium Bisulfate Monohydrate	7681-38-1	78%	231-655-7

Full text of H-phrases: see section 16

*A range of concentration as prescribed by the Controlled Products Regulations has been used where necessary, due to varying composition. The specific chemical identity and/or exact percentage of composition has been withheld as a trade secret within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200].

SECTION 4: FIRST AID MEASURES:

General: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

If inhaled: Using proper respiratory protection, immediately move the exposed person to fresh air. Keep at rest and in a position comfortable for breathing. Seek medical attention immediately. If not breathing, give artificial respiration.

In case of skin contact: Take off contaminated clothing and shoes immediately. Flush skin with soap and plenty of water. Immediately call a POISON CENTER or doctor/physician.

In case of eye contact: Immediately rinse with water for at least 15 minutes while holding the eyelids wide open. Immediately call a POISON CENTER or doctor/physician. Continue rinsing eyes during transport to hospital.

If swallowed: Do NOT induce vomiting. Seek medical attention immediately.

Most Important Symptoms/ Effects (Acute and Delayed)

General: Causes severe skin burns and eye damage

Inhalation (Breathing): Inhalation may cause immediate severe irritation progressing quickly to chemical burns.

Skin: Causes severe skin burns

Eye: Causes serious eye damage.

Ingestion (Swallowing): Harmful if swallowed. Swallowing a small quantity of this material will result in serious health hazard.

Indication of any immediate medical attention and special treatment needed:

If you feel unwell, seek medical advice (show label where possible).

SECTION 5: FIREFIGHTING MEASURES:

Extinguishing media:

Suitable extinguishing media: Use extinguishing agents appropriate for surrounding fire. (Carbon dioxide, quenching foam, dry chemical powder)

Unsuitable extinguishing media: Do not use water.

Special Hazards Arising from the substance or mixture:

Fire Hazard: Not flammable.

Explosion Hazard: Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

Reactivity: Thermal decomposition generates: corrosive vapors.

Advice for Firefighters:

Precautionary Measures Fire: Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.

Firefighting Instructions: Keep upwind. Use water spray or fog for cooling exposed containers.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. Notify appropriate authorities if liquid enters sewers or waterways.

Hazardous combustion Products: Corrosive vapors. Acrid smoke and irritating fumes.

Other information: Do not allow run-off from fire fighting to enter drains or water sources.

Reference to Other Sections: Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES:

Personal precautions, Protective equipment and Emergency procedures

General Measures: Avoid all unnecessary exposure. Avoid dust formation. Do not get in eyes, on skin, or on clothing. Do not breathe vapor, mist or spray. Ensure adequate ventilation. No smoking.

For Non-Emergency Personnel

Protective equipment: Use appropriate personal protection equipment (PPE), safety glasses, gloves, dust mask.

Emergency procedures: Evacuate unnecessary personnel. Keep upwind.

For Emergency Personnel

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Ventilate area. Eliminate ignition sources.

Environmental Precautions

If spill could potentially enter any waterway, including intermittent dry creeks, contact the U.S. COAST GUARD NATIONAL RESPONSE CENTER at 800-424-8802. In case of accident or road spill notify CHEMTREC at 800-424-9300 (in USA) or (international code) + 1-703-527-3887.

Methods and materials for containment and cleaning up

Methods for cleaning up: Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations. . Clear up spills immediately and dispose of waste safely. Practice good housekeeping

Reference to other sections: See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE:

Precautions for safe handling

Additional Hazards when processed: Hazardous waste due to potential risk of explosion.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Always wash your hands immediately after handling this product, and once again before leaving the workplace. Provide good ventilation in process area to prevent formation of vapor. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke in the areas where product is used.

Conditions for safe storage, including any incompatibilities

Technical measures: Observe all regulations and local requirements regarding storage of containers. Proper grounding procedures to avoid static electricity should be followed.

Storage conditions: Store in a dry, cool and well ventilated place. Keep containers closed when not in use. Store away from heat sources, ignition sources, direct sunlight, incompatible materials, combustible materials.. Storage areas should be periodically checked for corrosion and integrity. Useable materials for containers are PE, PP, PVC.

Incompatible Materials: Acids, combustible materials, alkalis, reducing agents.

Specific End Uses

For use with component A of the aquadry-kit as a deodorizing delivery system (pouch) for the generation of chlorine dioxide.

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION:

Control parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

Exposure controls

Appropriate Engineering controls: Product to be handled in a close system and under strictly controlled conditions. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment: Avoid all unnecessary exposure. Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust. Protective goggles. Gloves. Protective clothing.

Materials for protective clothing: Wear suitable protective clothing.

Hand protection: Impermeable protective gloves. Butyl rubber.

Eye protection: A full face shield is recommended. Chemical goggles.

Skin and body protection: Wear suitable protective clothing. Chemical resistant suit.

Respiratory protection: Use a NIOSH approved respirator or self contained breathing apparatus whenever exposure may exceed established Occupations Exposure Limits. Where risk assessment shows air purifying respirators are appropriate use a full face particle respirator type N100.

Environmental Exposure Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Consumer Exposure controls: Do not eat, drink or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES:

Physical state:	powder	Appearance:	White
Odor:	Almost odorless	Odor Threshold(ppm):	No data available
pH:	2 approx. 30g/l water	Melting point:	Not available
Boiling point:	N/A	Solubility:	67g/100g water (@ 20degrees C)

SECTION 10: STABILITY AND REACTIVITY:

Chemical Stability: Stable under recommended handling and storage conditions (see section 7).

Possibility of Hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: Direct sunlight, moisture, extremely high or low temperatures, open flames, sources of ignition and incompatible materials.

Incompatible materials: Reducing agents, oxidizers, acids, combustible materials.

Hazardous decomposition products: Under fire conditions, Sulfur Oxides.

SECTION 11: TOXICOLOGICAL INFORMATION:

Information on Toxicological Effects- Product: Aqua-dry kit component B

Acute Toxicity: Harmful or fatal if swallowed. Harmful if absorbed through skin.

Acute (oral) LD/LC50 193 mg/kg

Dermal Toxicity: Causes burns

Irritant on skin: Harmful if absorbed through skin

Information on Toxicological Effects- Ingredients: Sodium Bisulfate Monohydrate 7681-38-1

Acute Toxicity: No data available

Skin corrosion/irritation:

Skin- rabbit Result: No skin irritation -4h (OECD Test guideline 405)

Respiratory or skin sensitization: No data available

Germ cell mutagenicity: No data available

SECTION 12: ECOLOGICAL INFORMATION:

Toxicity

Ecology-General: No information available

Fish Toxicity: No information found

Bacteria Toxicity: No information found

Persistence and Degradability Not established

Bioaccumulative Potential No established

Mobility in soil Not available

Other adverse effects Avoid release to the environment

SECTION 13: DISPOSAL INFORMATION:

Waste Treatment methods: Dispose of waste material in accordance with all local, regional, national, and international regulations.

Sewage Disposal Recommendations: Do not dispose of waste into sewer. Do not empty into drains; dispose of this material and its container in a safe way. Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION:

U.S. DOT 49 CFR 172.101: UN3260, Corrosive solids, acidic, inorganic, N.O.S., PGI

SECTION 15: REGULATORY INFORMATION:

US Federal Regulations

OSHA REGULATORY STATUS: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

SECTION 16: OTHER INFORMATION:

Revision date: 5/22/15

GHS Full Text Phrases:

Acute Tox. 4 (oral)	Acute toxicity (oral) Category 4
Eye Dam. 1	Serious eye damage/eye irritation Category 1
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage

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BECKART ENVIRONMENTAL, INC.

6900 46TH STREET
KENOSHA, WI 53144
PHONE # (262) 656-7680

Safety Data Sheet
Revision date: 7/16/15

This SDS complies with 29 CFR 1910.1200 and appendix D (The Hazard Communication Standard- GHS)

SECTION 1: IDENTIFICATION:

PRODUCT NAME: Air Fresh 101
PRODUCT TYPE: Deodorizing delivery system for the generation of chlorine dioxide
CHEMICAL NAME: Contains Sodium Chlorite and additives

SUPPLIER: BECKART ENVIRONMENTAL
6900 46TH STREET
KENOSHA, WI 53144
PHONE: (262)656-7680 FAX: (262)656-7699

EMERGENCY 24/7 CONTACT
CHEMTREC PHONE 1-800-424-9300

SECTION 2: HAZARDS IDENTIFICATION:

Emergency Overview

GHS Classification:

- Oxidizing solids (Category 2)
- Acute Toxicity- Oral (Category 3)
- Acute Toxicity- Dermal (Category 2)
- Acute Toxicity- (inhalation: dust, mist) (Category 2)
- Corrosion- Causes severe skin burns and eye damage (Category 1B)
- Eye damage- Serious eye damage/eye irritation (Category 1)
- Aquatic toxicity (Category 1)

GHS Label elements, including precautionary statements

Pictogram
s



GHS Signal Word Danger

GHS Hazard statement(s): May intensify fire: oxidizer
Contact with water releases flammable gas. Contact with acid releases toxic gas.

Harmful if swallowed.

Causes skin irritation and serious eye damage. Causes serious skin burns.

Toxic to aquatic life.

Precautionary statement(s)- PREVENTION:

Obtain special instructions before use.

Do not Handle until all safety precautions have been read and understood.

Keep away from heat, sparks, open flames, hot surfaces, no smoking

Keep/Store away from clothing/ combustible materials.

Keep container closed.

Do not allow contact with water/ protect from moisture.

Wear protective gloves/eye protection and face protection.

Wash hands thoroughly after handling.

Do not eat, drink or smoke when using this product

Do not breathe dust/fume/gas/mist/vapors/spray.

Precautionary statement(s)- RESPONSE:

In case of fire: use water, sand to extinguish.

IF SWALLOWED: Rinse mouth. Call a poison center/doctor if you feel unwell..

IF ON SKIN (or hair) : Remove/take off immediately all contaminated clothing and wash before reuse. Rinse skin with water/shower. If skin irritation occurs: Get medical attention/advice. Call a poison center/doctor if you feel unwell.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

If exposed or concerned: Call a poison center/doctor seek medical advice.

Collect spillage. Store in dry place. Store in a closed container. Store locked up.

Dispose of contents/container to comply with local, state and federal regulations.

Other Hazards Not Contributing to the Classification: Not available.

Unknown Acute Toxicity: Not available.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS:

Ingredient	CAS #:	Percent (%)	EC-No
Sodium Chlorite	7758-19-2	8-24%	231-836-6

*A range of concentration as prescribed by the Controlled Products Regulations has been used where necessary, due to varying composition. The specific chemical identity and/or exact percentage of composition has been withheld as a trade secret within the meaning of the OSHA Hazard Communication Standard [29 CFR 1910.1200].

SECTION 4: FIRST AID MEASURES:

General: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

If inhaled: Using proper respiratory protection, immediately move the exposed person to fresh air. Keep at rest and in a position comfortable for breathing. Seek medical attention immediately. If not breathing, give artificial respiration.

In case of skin contact: Take off contaminated clothing and shoes immediately. Flush skin with soap and plenty of water. Immediately call a POISON CENTER or doctor/physician.

In case of eye contact: Immediately rinse with water for at least 15 minutes while holding the eyelids wide open. Immediately call a POISON CENTER or doctor/physician. Continue rinsing eyes during transport to hospital.

If swallowed: Do NOT induce vomiting. Seek medical attention immediately.

Most Important Symptoms/ Effects (Acute and Delayed)

General: Causes skin burns and eye damage

Inhalation (Breathing): Fatal if inhaled.

Skin: Serious skin burns in contact with skin.

Eye: Causes serious eye damage.

Ingestion (Swallowing): Toxic if swallowed. Swallowing a small quantity of this material will result in serious health hazard.

Indication of any immediate medical attention and special treatment needed: If you feel unwell, seek medical advice (show label where possible).

SECTION 5: FIREFIGHTING MEASURES:

Extinguishing media:

Suitable extinguishing media: Use extinguishing agents appropriate for surrounding fire.

Unsuitable extinguishing media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

Special Hazards Arising from the substance or mixture:

Fire Hazard: Not flammable, may intensify fire: oxidizer.

Page 3 of 6

Explosion Hazard: Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries. Chlorine dioxide gas evaporated from solutions may explode at concentrations of 10% by volume. Don't allow chlorine dioxide gas to accumulate with a confined space.

Product Name: Air Fresh 101

Reactivity: Thermal decomposition generates: corrosive vapors.

Advice for Firefighters:

Precautionary Measures Fire: Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present. Open/vent containers. Do not allow solutions to evaporate to dryness. Vent to atmosphere.

Firefighting Instructions: Keep upwind. Use water spray or fog for cooling exposed containers. **Protection during firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection. Notify appropriate authorities if liquid enters sewers or waterways.

Hazardous combustion Products: Corrosive vapors. Acrid smoke and irritating fumes.

Other information: Do not allow run-off from fire fighting to enter drains or water sources.

Reference to Other Sections: Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES:

Personal precautions, Protective equipment and Emergency procedures

General Measures: Avoid all unnecessary exposure. Avoid dust formation. Do not get in eyes, on skin, or on

clothing. Do not breathe vapor, mist or spray. Ensure adequate ventilation. No smoking.

For Non-Emergency Personnel

Protective equipment: Use appropriate personal protection equipment (PPE), safety glasses, gloves, dust mask.

Emergency procedures: Evacuate unnecessary personnel. Keep upwind.

For Emergency Personnel

Protective equipment: Equip cleanup crew with proper protection.

Emergency procedures: Ventilate area. Eliminate ignition sources.

Environmental Precautions

If spill could potentially enter any waterway, including intermittent dry creeks, contact the U.S. COAST GUARD

NATIONAL RESPONSE CENTER at 800-424-8802. In case of accident or road spill notify CHEMTREC at 800-424-9300 (in USA) or (international code) + 1-703-527-3887.

Methods and materials for containment and cleaning up

Methods for cleaning up: Sweep up and shovel. Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations. . Clear up spills immediately and dispose of waste safely. Practice good housekeeping. Dilute chlorine dioxide solutions (100-200ppm) do not need to be pH neutralized. Flush residual material, down drain with an excess of water, in accordance with local regulations.

Reference to other sections: See heading 8, Exposure Controls and Personal Protection.

SECTION 7: HANDLING AND STORAGE:

Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well ventilated location, away from incompatible /flammable materials and direct sunlight. Keep container tightly closed when unused.

Incompatible Materials: Store away from flammable materials. Keep away from acids. Protect against moisture or humidity. Keep away from metal, metal salts, bases, reducing agents and combustible materials.

Specific End Uses

Use product only as directed by label. Store only in original packaging. Keep away from children/animals. Avoid contact with skin/eyes. Avoid breathing any vapors/fumes.

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION:

Page 4 of 6

Exposure controls

Appropriate Engineering controls: Use approved air purifying respirators/canister/Cartridge facial respirators rated for chlorine/acid vapors specified for chlorine dioxide when fogging/spraying. Open air/ good ventilation is normally adequate for safe use of product.

Personal Protective Equipment: Avoid all unnecessary exposure. Wear respiratory protection if required. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust. Protective goggles. Gloves. Protective clothing.

Materials for protective clothing: Wear suitable protective clothing, Rubber/neoprene/chemically impervious.

Hand protection: Impermeable protective gloves. Nitrile rubber, neoprene.

Product Name: Air Fresh 101

Eye protection: A full face shield is recommended. Chemical goggles.

Skin and body protection: Wear suitable protective clothing. Chemical resistant suit.

Respiratory protection: Use a NIOSH approved respirator or self contained breathing apparatus whenever exposure may exceed established Occupations Exposure Limits. Where risk assessment shows air purifying respirators are appropriate use a full face particle respirator type N100.

Environmental Exposure Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Consumer Exposure controls: Do no eat, drink or smoke during use.

Supplemental safety and Health: Open and vent any large containers. Thoroughly rinse all protective gear and handling equipment with water prior to reuse/storage. Product may Bleach clothing and fabric materials such as draperies and carpets. Don't allow chlorine dioxide gas to accumulate within a confined space.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES:

Physical state: solid, granular

Appearance: White

Odor: Chlorine (like) odor, slight

pH value: 1.45 approx, 40g/l water

Melting point: Not available

Stability: 1 year

Solubility: reacts with water to produce yellow liquid

SECTION 10: STABILITY AND REACTIVITY:

Chemical Stability: Stable under recommended handling and storage conditions (see section 7).

Possibility of Hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: Direct sunlight, moisture, extremely high or low temperatures, open flames, sources of ignition and incompatible materials.

Incompatible materials: Metal sales, reducing agents, acids, oxidizers, combustibles.

Hazardous decomposition products: Upon exposure to water vapor, chlorine dioxide gas is released.

SECTION 11: TOXICOLOGICAL INFORMATION:

Acute toxicity- Dermal:

100ppm chlorine dioxide solution: Acute dermal LD50(rat) . 5,000mg/kg

200ppm chlorine dioxide solution: Acute inhalation LC50 (rat,4hr)>2.7mg/l

Acute toxicity- Inhalation:

100ppm chlorine dioxide solution: Primary dermal irritation index (rabbit)=0.1 slightly irritating.

100ppm chlorine dioxide: Primary eye irritation index (rabbit)= non-irritating

100ppm chlorine dioxide: Dermal sensitization (guinea pig)= not a contact sensitizer

Note: Upon exposure to moisture, this product releases chlorine dioxide gas. The oral LD50 in rats for chlorinated dioxide has been reported as 292mg/kg

Inhalation: exposure to dust particles from this product causes irritation of the respiratory tract. May result in coughing, difficult breathing and sore throat. Exposure to high concentrations may result in burns of the mucous membranes, bronchospasm and delayed pulmonary edema.

Ingestion: Harmful if swallowed. May cause pain, nausea, vomit and diarrhea. May cause burns of the mouth, throat and stomach. Causes severe tissue damage. Page 5 of 6

Skin contact: causes skin irritation. Contact with moist skin causes burns. Prolonged contact may cause dermatitis. Contact with chlorine dioxide solution (100ppm) was slightly irritating to rabbit skin.

Eye contact: Causes severe eye irritation. May cause eye burns and damage.

Other effects: NOTE: Upon exposure to moisture, this product releases chlorine dioxide gas. Inhalation of

ClO₂ gas may cause irritation, coughing, wheezing and burns of the mucous membranes. Inhalation of large amounts may lead to pulmonary edema and bronchitis. Direct contact with ClO₂ gas causes eye and skin irritation and may cause burns. Prolonged or repeated exposure to dust may cause pulmonary problems.

SECTION 12: ECOLOGICAL INFORMATION: Toxicity

Fish toxicity: LD50(96h)=100-2000mg/l (Brachydanio rerio, OECD 203)

Bacteria toxicity: EC50=100-800mg/l (OECD 209)

Product Name: Air Fresh 101

Environmental fate: May cause long term adverse effects in the aquatic environment. Very toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

Persistence and Degradability _Not established

Bioaccumulative Potential: not applicable

Mobility in soil Not available

Other adverse effects Avoid release to the environment

SECTION 13: DISPOSAL INFORMATION:

Waste Treatment methods: Dispose of waste material in accordance with all local, regional, national, and international regulations. Large volumes should be taken to an authorized chemical disposal site/landfill in accordance with local and national regulations. Used product may have different hazards or properties than the original product.

Sewage Disposal Recommendations: Do not dispose of waste into sewer. Do not empty into drains; dispose of this material and its container in a safe way. Avoid release to the environment.

SECTION 14: TRANSPORT INFORMATION:

U.S. DOT 49 CFR 172.101: UN2813, Water reactive solid, N.O.S., 4.3, PGII

DOT Small Quantity Exception:

This package conforms to 49 CFR 173.4 for domestic highway or rail transport only.

SECTION 15: REGULATORY INFORMATION:

US Federal Regulations

OSHA REGULATORY STATUS: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

TSCA: Sodium Chlorite (7758-19-2) Listed on the US TSCA (Toxic Substances Control Act) inventory

Canadian Regulations: Sodium Chlorite (7758-19-2) WHMIS Classification:

Class C- Oxidizing material

Class D Division 1 Subdivision A- Very toxic material causing immediate and serious toxic effects.

Class E- Corrosive Material

SECTION 16: OTHER INFORMATION:

Revision date: 7/16/15

Health- 3 Serious hazard- major injury likely unless prompt action is taken and medical treatment is given Flammability- 0 minimal hazard

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Physical- 0 minimal hazard

Personal protection: F

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