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Safety Data Sheet
Revision date: 11/4/16

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 Part 2
PRODUCT TYPE: Deodorizing delivery system (pouch) for the generation of chlorine dioxide
CHEMICAL NAME: Powder composition containing Sodium Bisulfate Anhydrous and additives

SUPPLIER:

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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 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: Acids, combustible materials, alkalies, 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 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. 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 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:	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. (contains Sodium Bisulfate Monohydrate), 8 PGII

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: 11/4/16 (added HMIS rating)

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

HMIS rating:

Health- 2 Chronic Health hazard

Flammability- 0 minimal hazard

Physical- 0 minimal hazard

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