Formula "O"
Safety Data Sheet

SECTION 1: Identification

1.1. Identification

Product name : Formula "O"

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Oxidizer/Shock for swimming pool use

1.3. Details of the supplier of the safety data sheet

Oxygen Pools, LLC
PO Box 3328
Boynton Beach, FL 33424

1.4. Emergency telephone number

Emergency number : 877-246-9943

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS-US classification

Ox. Sol. 3	H272
Acute Tox. 4 (Oral)	H302
Skin Corr. 1A	H314
Eye Dam. 1	H318
Resp. Sens. 1	H334
Skin Sens. 1	H317

Full text of hazard classes and H-statements : see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :

GHS05 GHS07

Signal word (GHS-US) : Danger

Hazard statements (GHS-US) :
H272 - May intensify fire; oxidizer
H302 - Harmful if swallowed
H314 - Causes severe skin burns and eye damage
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled

Precautionary statements (GHS-US) :
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P220 - Keep/Store away from clothing/combustible materials
P221 - Take any precaution to avoid mixing with combustibles/...
P260 - Do not breathe dust/fume/gas/mist/vapors/spray
P264 - Wash thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P272 - Contaminated work clothing must not be allowed out of the workplace
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P284 - [In case of inadequate ventilation] wear respiratory protection
P301+P312 - If swallowed: Call a poison center/doctor if you feel unwell
P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting
P302+P352 - If on skin: Wash with plenty of water
P303+P361+P353 - If on skin (or hair): 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
P304+P341 - If inhaled: If breathing is difficult, 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/doctor
P330 - Rinse mouth

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention
P342+P311 - If experiencing respiratory symptoms: Call a poison center/doctor
P363 - Wash contaminated clothing before reuse
P370+P378 - In case of fire: Use water spray (fog), foam or dry chemical to extinguish
P405 - Store locked up
P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS-US classification
Proprietary Ingredient		65-95	Acute Tox. 4 (Oral), H302 Skin Corr. 1A, H314 Eye Dam. 1, H318
Proprietary Ingredient		2-12	Not classified
Proprietary Ingredient		0-10	Skin Irrit. 2, H315 Eye Irrit. 2B, H320
Proprietary Ingredient		10-25	Skin Corr. 1A, H314 Eye Dam. 1, H318 STOT SE 3, H335
Proprietary Ingredient		30-40	Ox. Sol. 3, H272 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Resp. Sens. 1, H334 Skin Sens. 1, H317 STOT SE 3, H335 Aquatic Acute 3, H402
Proprietary Ingredient		10-25	Skin Corr. 1A, H314 Eye Dam. 1, H318
Sulfuric acid, copper(2+) salt (1:1), pentahydrate	(CAS No) 7758-99-8	1-7	Not classified

Full text of hazard classes and H- statements : see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Get medical attention immediately. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. If not breathing, if breathing is irregulor or respiratory arrest occurs, provide artifical respiration, or oxygen by a trained professional, using a pocket type respirator.

First-aid measures after skin contact : In case of contact, flush skin with plenty of water for at least 30 minutes. Get medical attention immediately. Immediately remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Wash clothing before reuse. Clean shoes thoroughly before reuse.

First-aid measures after eye contact : Get medical attention immediately. Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. In case of contact with eyes, flush eyes with plenty of water for at least 30 minutes. Chemical burns must be treated promptly by a physician.

First-aid measures after ingestion : Get medical attention immediately. Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation : May give off gas, vapor or dust that is very irritating or corrosive to the respiratory system.

Symptoms/injuries after skin contact : Causes severe burns.

Symptoms/injuries after eye contact : Causes eye damage.

Symptoms/injuries after ingestion : Harmful if swallowed. Corrosive to the digestive tract. May cause burns to mouth, throat and stomach.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use water spray (fog), foam or dry chemical.

Unsuitable extinguishing media : Carbon dioxide

5.2. Special hazards arising from the substance or mixture

Fire hazard : May intensify fire.

Explosion hazard : None known.

5.3. Advice for firefighters

Protection during firefighting : Firefighters should wear full protective gear.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

For containment : Stop the flow of material, if this is without risk.

Methods for cleaning up : Move containers from spill area. Approach release from upwind. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal. Prevent entry into sewers, water courses, basements or confined areas.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not get in eyes or on skin or clothing. Do not ingest. Use only with adequate ventilation. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Remove contaminated clothing and protective equipment before entering eating areas. Workers should wash hands and face before eating, drinking and smoking. Put on appropriate personal protection equipment. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Contact with water/moisture causes exothermic reaction or decomposition. Do not store above the following temperature: 50°C (122°F). Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. Empty containers retain product residue and can be hazardous. Do not reuse container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Potassium peroxymonosulfate sulfate (K5H3(SO3(O2))2(SO4)2) (70693-62-8)
Not applicable

8.2. Exposure controls

Appropriate engineering controls	:	General (mechanical) room ventilation is expected to be satisfactory for normal handling. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.
Hand protection	:	Wear chemical resistant gloves to minimize skin exposure.
Eye protection	:	Wear safety glasses with side shields if contact with product is possible.
Skin and body protection	:	Wear suitable working clothes.
Respiratory protection	:	If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Solid
Color	:	White
Odor	:	None
Odor threshold	:	No data available
pH	:	No data available
pH solution	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	No data available
Relative evaporation rate (butyl acetate=1)	:	No data available
Flammability (solid, gas)	:	No data available
Vapor pressure	:	No data available
Relative vapor density at 20 °C	:	No data available
Relative density	:	No data available
Solubility	:	completely soluble.
Log Pow	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosion limits	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Contact with water/moisture causes exothermic reaction or decomposition.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

Will not occur.

10.4. Conditions to avoid

Avoid extreme heat.

10.5. Incompatible materials

Halogenated compounds, cyanides, heavy metal compounds (salts), Combustible material., hydrated materials, and alkaline materials

10.6. Hazardous decomposition products

Oxygen, sulfur dioxide, sulfur trioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Oral: Harmful if swallowed.

Formula "O"	
ATE US (oral)	1363.8775746853 mg/kg body weight

Proprietary Ingredient	
LD50 oral rat	1204 mg/kg
LD50 dermal rabbit	> 11000 mg/kg
LC50 inhalation rat (mg/l)	> 14 mg/l (Exposure time: 1 h)
ATE US (oral)	1204 mg/kg body weight

Proprietary Ingredient	
LD50 oral rat	2340 mg/kg
ATE US (oral)	2340 mg/kg body weight

Proprietary Ingredient	
LD50 oral rat	802 mg/kg
LD50 dermal rabbit	> 10000 mg/kg
ATE US (oral)	802 mg/kg body weight

Proprietary Ingredient	
LD50 oral rat	3 g/kg
ATE US (oral)	3000 mg/kg

Sulfuric acid, copper(2+) salt (1:1), pentahydrate (7758-99-8)	
LD50 oral rat	960 mg/kg

Skin corrosion/irritation : Causes severe skin burns and eye damage.

Serious eye damage/irritation : Causes serious eye damage.

Respiratory or skin sensitization : May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity – single exposure : Not classified

Specific target organ toxicity – repeated exposure : Not classified

Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Sulfuric acid, copper(2+) salt (1:1), pentahydrate (7758-99-8)	
LC50 fish 1	0.66 - 1.15 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [semi-static])
EC50 Daphnia 1	0.147 - 0.227 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	0.96 - 1.8 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

Not determined

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Effect on the global warming : No known effects from this product.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Transport document description : UN3260 Corrosive solid, acidic, inorganic, n.o.s. (Monopersulfate Compound), 8, II

UN-No.(DOT) : UN3260

Proper Shipping Name (DOT) : Corrosive solid, acidic, inorganic, n.o.s.
Monopersulfate Compound

Class (DOT) : 8 - Class 8 - Corrosive material 49 CFR 173.136

Packing group (DOT) : II - Medium Danger

Hazard labels (DOT) : 8 - Corrosive

DOT Packaging Non Bulk (49 CFR 173.xxx) : 212

DOT Packaging Bulk (49 CFR 173.xxx) : 240

DOT Symbols : G - Identifies PSN requiring a technical name

DOT Special Provisions (49 CFR 172.102)	:	IB8 - Authorized IBCs: Metal (11A, 11B, 11N, 21A, 21B, 21N, 31A, 31B and 31N); Rigid plastics (11H1, 11H2, 21H1, 21H2, 31H1 and 31H2); Composite (11HZ1, 11HZ2, 21HZ1, 21HZ2, 31HZ1 and 31HZ2); Fiberboard (11G); Wooden (11C, 11D and 11F); Flexible (13H1, 13H2, 13H3, 13H4, 13H5, 13L1, 13L2, 13L3, 13L4, 13M1 or 13M2). IP2 - When IBCs other than metal or rigid plastics IBCs are used, they must be offered for transportation in a closed freight container or a closed transport vehicle. IP4 - Flexible, fiberboard or wooden IBCs must be sift-proof and water-resistant or be fitted with a sift-proof and water-resistant liner. T3 - 2.65 178.274(d)(2) Normal..... 178.275(d)(2) TP33 - The portable tank instruction assigned for this substance applies for granular and powdered solids and for solids which are filled and discharged at temperatures above their melting point which are cooled and transported as a solid mass. Solid substances transported or offered for transport above their melting point are authorized for transportation in portable tanks conforming to the provisions of portable tank instruction T4 for solid substances of packing group III or T7 for solid substances of packing group II, unless a tank with more stringent requirements for minimum shell thickness, maximum allowable working pressure, pressure-relief devices or bottom outlets are assigned in which case the more stringent tank instruction and special provisions shall apply. Filling limits must be in accordance with portable tank special provision TP3. Solids meeting the definition of an elevated temperature material must be transported in accordance with the applicable requirements of this subchapter.
DOT Packaging Exceptions (49 CFR 173.xxx)	:	154
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	:	15 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	:	50 kg
DOT Vessel Stowage Location	:	B - (i) The material may be stowed ‘‘on deck’’ or ‘‘under deck’’ on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) ‘‘On deck only’’ on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.
Emergency Response Guide (ERG) Number	:	154
Other information	:	No supplementary information available.

TDG

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

All Components Listed On Toxic Substances Control Inventory

15.2. US State regulations

Potassium hydrogen sulfate (7646-93-7)
U.S. - New Jersey - Right to Know Hazardous Substance List

Potassium persulfate (7727-21-1)
U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

Full text of H-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Eye Irrit. 2B	Serious eye damage/eye irritation Category 2B
Ox. Sol. 3	Oxidizing solids Category 3
Resp. Sens. 1	Respiratory sensitisation Category 1
Skin Corr. 1A	Skin corrosion/irritation Category 1A
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1	Skin sensitization Category 1
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H272	May intensify fire; oxidizer
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H320	Causes eye irritation
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H402	Harmful to aquatic life

This information is based on our current knowledge and is intended to describe the product for the pur poses of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product

Section 1 Identification

Product:	FOXA-433 Oxygen Water Triple Enzyme Complete
Other Means of Identification:	White granular solid with no odor
Recommended Use And Restrictions on Use:	Swimming pool and Hot Tub maintenance. Not for use in drinking water treatment or other water treatment applications.
Source:	Oxygen Water Products PO Box 33424 Boynton Beach, FL 33424 800-633-8253
Emergency Phone:	(800) 633-8253, Professional Emergency Resource Services (PERS) Account #1823
Office Phone:	(877)-246-9943
Website:	Oxygenwaterproducts.com

Section 2 Hazard(s) Identification

Emergency Overview:	White granular solid with no OSHA GHS hazards. May react with strong acid
Classification 29 CFR 1910.1200:	Product is not hazardous by OSHA criteria.
No hazards	No hazard categories
Signal Word:	None
Hazard Statement(s):	May cause mild eye irritation May cause mild skin irritation following repeated or prolonged contact
Pictograms:	None
Precautionary Statements:	Do not get product in eyes. Wear eye protection and rubber gloves. Avoid inhalation of product dust If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. If on skin: Brush off. No health effects expected. If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory irritation: Call a doctor. If swallowed: Rinse mouth. Do NOT induce vomiting. Dispose of contents or container in accordance with local state and federal regulations.
Hazards Not Otherwise Classified:	Product contains less than 0.1% enzymes. May be harmful if inhaled. Avoid inhalation.

Ingredients with Unknown Toxicity:	None
Potential Environmental Effects:	Significant contamination of small bodies of surface water or localized areas at the point of a spill may elevate salt concentrations beyond tolerable levels for freshwater aquatic organisms.

Section 3 Composition/Information on Ingredients

Ingredient(s)	Common Name(s)	CAS#	% by Wt.*
Sodium chloride (not OSHA GHS hazard)	Table salt	7647-14-5	90.00-99.99

* The exact percent by weight of the ingredients in this formulation is proprietary.

Section 4 First-Aid Measures

Eyes:	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Skin:	If on skin: Brush off. No health effects expected.
Inhalation:	If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a doctor.
Ingestion:	If swallowed: Rinse mouth. Do NOT induce vomiting.
Acute Symptoms:	May cause mild eye or skin irritation.
Delayed Effects:	None known.

Immediate or Special Treatment Requirements:
None known.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media:	Use media appropriate for surrounding fire. Avoid use of a direct stream of water.
Specific Hazards:	Product dust may be a potential eye irritant. Avoid eye contact. Avoid inhalation of dust.
Special PPE & Precautions:	Wear self-contained breathing apparatus and full turn-out gear. If possible, move containers away from fire. If product is engulfed in flame or exposed to extreme heat under fire conditions, product may evolve hazardous gases.

Section 6 Accidental Release Measures

Personal Precautions, PPE, & Emergency Procedures:	Wear eye protection and rubber gloves. Avoid release to the environment.
Containment & Clean-Up:	Avoid generation of dust. Contain and collect spills with shovels or dust pans and brooms. Use uncontaminated material in the intended pool maintenance application. Unused product or spill cleanup residues not contaminated with

other chemicals are not expected to be RCRA hazardous waste. Consult local authorities for appropriate waste disposal options in your location.

Section 7 Handling and Storage

Precautions for Safe Handling:	Avoid spillage. Clean up small spills promptly. Protect product from contamination. Avoid contact between this product and other chemicals, especially acids.
Conditions for Safe Storage:	Store product in closed container in well ventilated, secure area. Protect containers against physical damage. Protect label. Empty containers retain product residues and all label precautions are still relevant until container is thoroughly cleaned.

Section 8 Exposure Controls/Personal Protection

Exposure limits for the formulated product are not established. Exposure limits for hazardous ingredient(s):

Ingredient	Source & Parameter	Exposure Limit
Sodium chloride	None listed	None
Total dust (generic PEL)*	OSHA PEL	15 mg/m3
Respirable dust (generic PEL)*	OSHA PEL	5 mg/m3

* Particulates not otherwise regulated

NOTE: OSHA - Occupational Safety and Health Administration; ACGIH - American Conference of Governmental Industrial Hygienists; NIOSH – National Institute for Occupational Safety and Health; PEL – Permissible Exposure Limit; TWA – Time Weighted Average; TLV – Threshold Limit Value; REL – Recommended Exposure Limit; STEL – Short Term Exposure Limit; IDLH - Immediately Dangerous to Life or Health.

Engineering Controls:	General exhaust ventilation (ordinary building ventilation) is adequate indoors. Employ practices that avoid spills and contact with any incompatible material.
Individual Protection/PPE:	Wear eye protection and rubber gloves.

Section 9 Physical and Chemical Properties

Appearance (physical state, color, etc.):	White granular solid
Odor:	No odor
Odor threshold:	No odor
pH:	None, granular solid
Melting point/freezing point:	Not known
Initial boiling point and boiling range:	Not known
Flash point:	Not flammable
Evaporation rate:	Not known, negligible
Flammability (solid, gas):	Not flammable
Upper/lower flammability or explosive limits:	Not flammable
Vapor pressure:	Not known

Vapor density:	Not known
Relative density:	2.16 gr/cm3 or 135 lbs./ft3
Solubility(ies):	26.4% in water at ambient temp. & pressure
Partition coefficient: n-octanol/water:	Not known
Auto-ignition temperature:	Not flammable
Decomposition temperature:	Not known
Viscosity:	Not liquid

Section 10 Stability and Reactivity

Reactivity:	Product may react with acids.
Chemical stability:	Stable at ambient temperatures and pressures.
Possibility of Hazardous Reactions:	May react with acids. Polymerization will not occur.
Conditions to Avoid:	Contact with strong acids. Avoid dust formation.
Incompatible Materials:	Acids. Becomes corrosive to some metals when wet.
Hazardous Decomposition Products:	Contact with strong acid may generate chlorine gas.

Section 11 Toxicological Information

Likely Routes of Exposure:	Eye or skin contact.
Symptoms Related to Physical, Chemical, and Toxicological Characteristics:	Contact with product or product dust may irritate eyes or skin.
Delayed Effects:	None known.
Immediate Effects:	Irritation to eyes.
Chronic Effects:	None known
Numerical Measures of Toxicity:	No toxicology available on the formulated product. Toxicology data for product ingredient(s):
Sodium chloride	Oral rat LD50, 3,000 mg/kg
Carcinogenicity:	Product does not contain 0.1% or greater of ingredients listed as a carcinogens by IARC, NTP, or OSHA.

Section 12 Ecological Information

Ecotoxicity:	Significant contamination of small bodies of surface water or localized areas at the point of a spill may elevate salt concentrations beyond tolerable levels for freshwater aquatic organisms.
Aquatic toxicity data	No aquatic toxicity available on the formulated product.
	Aquatic toxicity data for hazardous ingredients:

Sodium chloride	Rainbow trout 96 hour LC50 – 4,747-7,824 mg/l *Daphnia magna* 48 hour EC50 – 340.7-469.2 mg/l
Persistence and Degradability:	Product not persistent. Sodium chloride is inorganic but will interact with living organisms and biomass and dissipate (but not biodegrade). Other ingredients will biodegrade.
Bioaccumulative Potential:	Product ingredients do not bioaccumulate.
Mobility in Soil:	Mobile when in aqueous solution.
Other Adverse Effects:	None known.

Section 13 Disposal Considerations

Product is consumed during recommended use. As shipped and/or purchased, material is not an EPA RCRA hazardous waste. Dispose of contents or container in accordance with local, state, and federal regulations.

Section 14 Transport Information

UN Number:	Not DOT regulated
UN Proper Shipping Name:	Not DOT regulated
Transport Hazard class(es)	Not DOT regulated
Packing Group:	Not DOT regulated
Environmental Hazards:	Does not contain ingredient(s) listed as marine pollutant.
Transport in Bulk:	Product container meets or exceeds DOT requirements.
Special Precautions:	Keep dry.

Section 15 Regulatory Information

US EPA EPCRA SARA Section 312:	Acute hazard. Eye Irritant
US EPA EPCRA SARA Section 313:	Ingredients not listed
US EPA CERCLA	Ingredients not listed
US EPA TSCA:	All ingredients listed or exempt

Section 16 Other Information

NFPA Hazard Ranking

Health	Fire	Reactivity	Special
1	0	0	none

HMIS Hazard Ranking

Health	Fire	Reactivity	PPE
1	0	0	B (defined below)

B – Safety glasses and gloves

References

1. Manufacturers' SDS on file for raw materials used in this product.
2. 29 CFR 1910.1200. Current OSHA eCFR edition as of the November 2022.
3. ANSI Z400.1/Z129.1-2010. Hazard Evaluation and Safety Data Sheet and Labeling Preparation. American Nationals Standards Institute, Inc., New York, NY. 2010.
4. The Globally Harmonized system of Classification and Labeling of Chemicals. (Purple Book) United Nations. 2009.
5. The Globally Harmonized system of Classification and Labeling of Chemicals. (Purple Book) Fifth Revised Edition. United Nations. 2013.
6. ACGIH. Threshold Limit Values and Biological Exposures Indices. 2021.
7. 49 CFR 172.101, Hazardous Materials Table. Current DOT eCFR edition as of November 2022.
8. EPA List of Lists. EPA 550-B-19-003. June 2019. Online at www.epa.gov/epcra.

Date of Preparation
November 16 2022
Revision 1.0: First OSHA GHS SDS for this product.