Section 1 Identification

Product:	Pure and Simple All in One Pool Shock
Other Means of Identification:	White granular solid with traces of blue particles and no odor, EPA Registration No. 92654-1
Recommended Use and Restrictions on Use:	Use only in swimming pools and only when no bathers are present. See EPA approved label for detailed directions for use. As stated prominently on the EPA approved label – it is a violation of federal law to use this product in a manner inconsistent with its labeling.
Source:	Oxygen Water Products 3055 Tech Park Way Deland, FL 32724
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

Note regarding EPA Jurisdiction:
This product is an EPA registered biocide. It is subject to the EPA Federal insecticide, Fungicide, and Rodenticide Act (FIFRA). In this situation, EPA requirements supersede OSHA HazCom requirements for hazard classification and labeling. Refer to the EPA approved label for additional hazard communication, guidance on first aid, and other information.

Emergency Overview:	Corrosive. White granular solid with traces of blue particles and no odor. Product is corrosive to eyes and, skin. May be corrosive to some metals if wetted. Product dust may be irritating to respiratory system or skin. May evolve irritating gas following contact with liquid acids or other incompatible chemicals.
Classification 29 CFR 1910.1200:	Product is hazardous by OSHA criteria.
Corrosive to skin	category 1, subcategory 1B
Serious eye damage	category 1
Toxic, oral	category 3
Hazardous to the aquatic environment, acute	category 2 (UN, international GHS criteria)
Signal Word:	DANGER
Hazard Statement(s):	Causes severe skin burns and eye damage Harmful if swallowed (toxicity, burns) Toxic to aquatic life

Pictograms:

Corrosion
Toxicity, oral

Precautionary Statements:

Wear eye protection and rubber gloves.
Do not get in eyes, on skin, or on clothing.
Do not eat, drink, or smoke when using this product.
Do not breathe dusts or mists.
Wash gloves and contaminated surfaces thoroughly after handling.
Avoid release to the environment.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing for 15 minutes. Immediately, call a doctor.
If on skin (or hair): Immediately, take off all contaminated clothing. If possible, brush off dry product gently before rinse. Rinse skin with water. Use safety shower if available and warranted. Call a doctor if burns or irritation occurs.
Wash contaminated clothing before reuse.
If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a doctor.
If swallowed: Rinse mouth. Do NOT induce vomiting. Immediately, call a poison control center or doctor.

Keep only in original container.
Store locked up.
Dispose of contents or container in accordance with local state and federal regulations.

Hazards Not Otherwise Classified:

If ingested, product may cause burns to the mouth, throat, and stomach.
Product is not classified as an OSHA GHS (globally harmonized system) oxidizer, but gross contamination of product with a flammable, low flash point liquid may result in ignition.

Ingredients with Unknown Toxicity:

None

Potential Environmental Effects:

Product is an EPA registered biocide designed to reduce or eliminate organisms that attempt to colonize swimming pools. Product is toxic to aquatic life.

Section 3 Composition/Information on Ingredients

Hazardous Ingredient(s)	Common Name(s)	CAS#	% by Wt.*
Proprietary**	None	Proprietary	≥65.0-<85.0
Proprietary**	Proprietary	Proprietary	≥5.0-<10.0
Proprietary**	Proprietary	Proprietary	≥1.0-<5.0
Proprietary**	Proprietary	Proprietary	≥1.0-<5.0
Proprietary**	Proprietary	Proprietary	≥1.0-<5.0
Copper sulfate pentahydrate	Copper sulfate	7758-99-8	2

* Where percent by weight is shown as a range, the exact percent by weight is proprietary.
** Identity and CAS numbers of these ingredients are 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 for 15 minutes. Immediately, call a doctor.
Skin:	If on skin (or hair): Immediately, take off all contaminated clothing. If possible, brush off dry product gently before rinse. Rinse skin with water. Use safety shower if available and warranted. Call a doctor if burns or irritation occurs. Wash contaminated clothing before reuse.
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. Immediately, call a poison control center or doctor; get medical attention immediately.
Acute Symptoms:	Irritation or burns to eyes, skin, or mucous membranes. Injury may result in permanent damage to eyesight or permanent scars on skin.
Delayed Effects:	Skin or respiratory irritation is possible following exposures below threshold for acute effects.

Immediate or Special Treatment Requirements:

After contact with product, immediately flush eyes with water for 15 minutes. Flush skin also as necessary to quiet discomfort and provide a thorough flush. If safety shower or eye wash or other water source is plumbed to cold water, it may be necessary to move victim to a locker room or bathroom shower or elsewhere to obtain a lukewarm water source before the flush is complete. After the flush, seek medical treatment.

Refer to EPA approved biocide label for additional guidance on first aid and health effects following exposure.

Section 5 Fire Fighting Measures

Suitable Extinguishing Media:	Product is not flammable. Use water spray (fog), foam or dry chemical if appropriate for surrounding fire. Do not use carbon dioxide (CO2) or high volume water jet.
Specific Hazards:	Product is corrosive to eyes, skin, and may irritate respiratory system. Thermal decomposition under fire conditions may produce corrosive or irritating aerosols, oxides of sulfur, oxides of carbon, and metal oxides.

Special PPE & Precautions:	Wear self-contained breathing apparatus and full turn-out gear. Approach fire from upwind direction. If possible, move containers away from fire. Product may evolve irritating or toxic gas under extreme heat.

Section 6 Accidental Release Measures

Personal Precautions, PPE, & Emergency Procedures:	Wear eye protection and rubber gloves. Avoid release to the environment. Product contains ≥1.0-<5.0% copper sulfate pentahydrate. Copper sulfate has a CERLCA reportable quantity (RQ) of 10 pounds. Note Environmental hazards section on the EPA approved label and follow guidance. Avoid contamination of soil or water
Containment & Clean-Up:	Avoid generation of dust. Use uncontaminated material in the intended pool maintenance application. Avoid contact between cleanup residues and combustible material or metal. Follow disposal guidance on the EPA approved label, and dispose of waste in an approved waste disposal facility.

Section 7 Handling and Storage

Precautions for Safe Handling:	Avoid spillage. Avoid dust formation. Clean up small spills promptly. Protect product from moisture, direct sunlight, and contamination. Avoid contact between this product and other chemicals (especially acid), metals, and combustibles.
Conditions for Safe Storage:	Store product in original container in well ventilated, secure area. Follow storage guidance on the EPA approved label. Do not store near acids. Protect from excessive heat. Storage temperature should remain less than 122º F. Protect containers against physical damage. Protect label. Reseal containers in use and keep containers upright. Empty containers retain product residues and label hazards may still be present 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
Proprietary monopersulfate compound	OSHA PEL	none listed
	ACGIH TLV	none listed
Related TLV, Persulfates, as persulfate	ACGIH TLV	0.1 mg/m3
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. Refer to EPA approved label for more detailed PPE recommendations.

Section 9 Physical and Chemical Properties

Physical state	solid
Color	White with traces of blue particles
Odor (includes odor threshold)	None
Melting point/freezing point	No data available
Boiling point (or initial boiling point or boiling range)	No data available
Flammability	Not flammable
Lower and upper explosion limit/flammability limit	None, not flammable
Flash point	None, not flammable
Auto-ignition temperature	None
Decomposition temperature	Not known
pH	Solid, no pH; solution would be acidic
Kinematic viscosity	Much greater than 20.5 mm2/sec @ 40 ºC
Solubility	>200 gr/l, water
Partition coefficient n-octanol/water (log value)	No data available
Vapor pressure (includes evaporation rate)	Solid material, negligible vapor pressure and evaporation
Density and/or relative density	~2.2-2.5 gr/cm3
Relative vapor density	Solid, negligible vapor
Particle characteristics	Minimal respirable fines

Section 10 Stability and Reactivity

Reactivity:	Product may react with acids. Product may also react with halogenated oxidizers or strong bases.
Chemical stability:	Stable at ambient temperatures and pressures.
Possibility of Hazardous Reactions:	May react with acids. May also react with halogenated oxidizers or strong bases. Polymerization will not occur.
Conditions to Avoid:	Avoid excessive heat. Avoid contact with acids or strong bases. Avoid contact with oxidizers including common halogenated oxidizers like bleach (sodium hypochlorite) or calcium hypochlorite.
Incompatible Materials:	Acids, halogenated compounds, strong bases, cyanides, metal salts.
Hazardous Decomposition Products:	Sulfur oxides, oxygen (fire hazard).

Section 11 Toxicological Information

Note the Precautionary Statements including the hazards to humans text on the EPA approved label.

Likely Routes of Exposure:	Eye or skin contact; inhalation of dust, mist or aerosol.

Symptoms Related to Physical, Chemical, and Toxicological Characteristics:	Product is corrosive to eyes, skin, mucous membranes, and other tissues. Contact will irritate or burn eyes and skin. Permanent damage to eyesight is possible. Permanent scars are possible. Respiratory irritation is possible following inhalation.
Delayed Effects:	Skin or respiratory irritation is possible following exposures below the threshold required to cause immediate effects.
Immediate Effects:	Irritation or burns to eyes, skin, or other tissues.
Chronic Effects:	Skin, eye, or respiratory irritation. Note above entry for delayed effects.
Numerical Measures of Toxicity:	No toxicology available on the formulated product. Approximate Toxicity Estimate for the product mixture (ATEmix, a calculated estimate):
Product ATEmix	Oral LD50 - 542 mg/kg
	Toxicology for some product ingredients:
Proprietary monopersulfate	Oral rat LD50 – 500 mg/kg
Copper sulfate	Oral rat LD50 – approximately 350 mg/kg
	Product ingredients not toxic by dermal exposure per OSHA GHS criteria
	Product ingredients not toxic by inhalation exposure per OSHA GHS criteria
Genotoxicity	Positive in vitro studies on animal and human cells reported for one proprietary ingredient.
Carcinogenicity:	Product does not contain 0.1% or greater of ingredients listed as carcinogens by IARC, NTP, or OSHA.

Section 12 Ecological Information

Ecotoxicity:	Product is an EPA registered biocide designed to reduce or eliminate organisms that attempt to colonize swimming pools. Product is toxic to aquatic life.
Aquatic toxicity data	No aquatic toxicity data available on the formulated product.
	Aquatic toxicity data for ingredients:
Proprietary monopersulfate	Rainbow trout 96 hour LC50 – in the 10-100 mg/l range *Daphnia magna* 48 hour EC50 – in the 1-10 mg/l range
Copper sulfate pentahydratre	Rainbow trout 96 hour LC50 – 0.1 mg/l Daphnia magna 48 hour LC50 – 0.08 mg/l
Persistence and Degradability:	Inorganic product ingredients will dissipate via oxidation and other reactions. In freshwater systems, disassociated copper ions are reported to bind with organic matter in bottom sediments.
Bioaccumulative Potential:	Product ingredients do not bioaccumulate.
Mobility in Soil:	Not known. Expected to be minimal.
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. The copper in the copper sulfate ingredient is not included in the EPA RCRA 8 list of TCLP metals of concern. Dispose of contents or container in accordance with local, state, and federal regulations.

Section 14 Transport Information

UN Number:	UN3260
UN Proper Shipping Name:	Corrosive solid, acidic, inorganic, N.O.S. (monopersulfate compound)
Transport Hazard class(es)	8
Packing Group:	PG II
Environmental Hazards:	Product contains ≥1.0-<5.0% copper sulfate pentahydrate. Copper sulfate (cupric sulfate) is listed as a severe marine pollutant, 49 CFR 172.101, Appendix B.
Transport in Bulk:	Product container meets or exceeds DOT requirements.
Special Precautions:	Corrosive. Keep dry. Keep separate from foodstuffs.

Section 15 Regulatory Information

US EPA EPCRA SARA Section 312:	Acute hazard. Corrosive to skin and eyes.
US EPA EPCRA SARA Section 313:	Copper sulfate ingredient listed as copper compounds, N100.
US EPA CERCLA	Product contains ≥1.0-<5.0% copper sulfate pentahydrate. Copper sulfate has a CERCLA reportable quantity (RQ) of 10 pounds.
US EPA TSCA:	All ingredients listed or exempt
US EPA FIFRA	Product is an EPA registered biocide, EPA Registration No. 92654-1

Section 16 Other Information

NFPA Hazard Ranking

Health	Fire	Reactivity	Special
3	0	1	Cor

HMIS Hazard Ranking

Health	Fire	Reactivity	PPE
3	0	1	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 February 2025.
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 February 2025.
8. EPA List of Lists. EPA 550-B-19-003. June 2019. Online at www.epa.gov/epcra.
9. Current EPA approved label for Formula O, EPA Registration No. 92654-1, as of February 2025

Date of Preparation
February 17, 2025
Revision 2.0: Second OSHA GHS SDS for this product.