Omegasonics
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Simi Valley, CA 93065
Tel: (805) 583-0875
omegasonics.com

Safety Data Sheet

Date Revised: 1/25/2024

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name:	OmegaSupreme
Synonyms:	Process Detergent
Product Use:	Industrial/Manufacturing use only
Supplier:	Omegasonics 330 E. Easy Street, Suite A Simi Valley, CA 93065 Tel: (805) 583-0875
Emergency Phone:	1 (805) 583-0875

2. HAZARD CLASSIFICATION

GHS Classification:

Health	
Acute Toxicity (Oral):	*Category 4*
Skin Corrosion:	*Category 1C*
Eye Damage:	*Category 1*

GHS Label:

Signal Word: DANGER

Hazard Statements

- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.

Precautionary Statements

Prevention

- P260 Do not breathe mists or vapors.
- P264 Wash hands and other skin areas exposed to material thoroughly after handling.
- H270 Do not eat, drink, or smoke when using this product.
- P280 Wear protective gloves, eye protection, and face protection.

Response

- P301 + P330 + P331 IF SWALLOWED: Rinse mouth, DO NOT induce vomiting.
- P302 + P352 IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water or 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, doctor or physician.
- P321 Specific treatment: See corresponding SDS for specific handling instructions.
- P363 Wash contaminated clothing before reuse.

Storage

- P405 Store locked up.

Disposal

- P501 Dispose of contents/container in accordance with local, regional, national, and international regulations for disposal.

3. COMPOSITION/INFORMATION OF INGREDIENTS

Ingredient	CAS No.	NIOSH (RTECS) No.	Percent (w/w)	Classification
Potassium Hydroxide	1310-58-3	TT2100000	0.1 – 3 %	H302
Sodium Metasilicate	6834-92-0	VV9287500	1 – 10 %	H314
Proprietary Ingredients	Not Applicable	Not Applicable	10 – 25 %	H314
Water	7732-18-5	ZC0110000	Balance	Non-Hazardous

Composition Comments The manufacturer has claimed one or more ingredients as trade secret.

4. FIRST AID MEASURES

General Advice/Information: Move out of dangerous area. Consult a physician. Show this safety data sheet to a doctor in attendance.

Inhalation: If breathed in, move person to fresh air. If not breathing, give artificial respiration. Consult a physician immediately.

Skin Contact: Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Consult a physician if symptoms persist. Wash clothing before reuse.

Eye Contact: Immediately flush eyes with gentle but large stream of water for at least 30 minutes, lifting lower and upper eyelids occasionally. Consult a physician immediately. Do not transport victim until recommended flushing period is completed unless flushing can be continued during transport.

Ingestion: Call physician or poison control center. Rinse mouth with water. If conscious, immediately give 2 to 4 glasses of water, DO NOT induce vomiting unless directed by medical personnel. Never induce vomiting or give diluents to someone who is unconscious, having convulsions, or unable to swallow. Get medical attention immediately.

Important Symptoms (Acute): No further relevant information available.

Important Symptoms (Delayed): No further relevant information available.

Indication of any Immediate Medical Care/Special Treatment: No further relevant information available.

5. FIREFIGHTING MEASURES

Conditions of Flammability: Not flammable or combustible.

Fire Extinguishing Media: Use alcohol-resistant foam, dry chemical or carbon dioxide.

Exposure Hazards: See Section 4 and Section 10 for information on hazards when this material is present in the area of a fire.

Protection for Firefighters: In event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

Further Information: Product itself does not burn. Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate personal protective equipment as specified in Section 8. Avoid mist formation. Avoid breathing vapors or mists. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental Precautions: Do not let product enter drains.

Cleanup Methods/Materials: Contain spilled material if possible. Dilute small spills with water. In event of large spill, dike the area to contain spill. Collect in suitable and properly labeled containers. Attempt to neutralize by carefully adding material such as dilute acetic acid.

7. HANDLING AND STORAGE

Handling: Avoid breathing mists, avoid contact with eyes, skin and clothing. Do not eat, drink or smoke while handling. Ensure adequate ventilation/ exhaust hoods.

Storage:	Keep container tightly closed in a dry and well-ventilated place. Follow all precautionary information on container label. Keep in original container. Empty container may contain product residue. Do not reuse container. Do not weld, braze, cut or pressurize empty containers.
Storage Temperature	
Keep Above:	5° C (41° F)
Keep Below:	40° C (104° F)
Shelf Life (Days):	365 Days

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with Workplace Control Parameters

Components	CAS No.	ACGIH TLV		NIOSH REL		OSHA PEL
		(CEIL)	(TWA)	(CEIL)	(TWA)	(TWA)
Potassium Hydroxide	1310-58-3	2 mg/m^3	No Data	2 mg/m^3	No Data	2 mg/m^3

Personal Protective Equipment (PPE):

Hand Protection:	Handle with gloves. Recommended resistance to break-through longer than 8 hours. Butyl rubber, natural rubber, neoprene rubber, nitrile rubber, or other impervious material is appropriate. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Eye Protection:	Avoid contact with eyes, wear splash-proof chemical goggles, face shield, safety glasses (spectacles) with brow guards and side shields, etc. as may be appropriate for the exposure. Use equipment for eye protection tested under appropriate government standards such as NIOSH.
Skin Protection:	Complete suit protecting against chemicals. Recommended resistance to break-through longer than 8 hours. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Prevent contact with skin. Rubber gloves should be worn at all times while handling.
Respiratory Protection:	Wear NIOSH or MSHA approved, dust/mist-type respirators, where dust or mist may be generated. Prevent inhalation of mists. Use in a well-ventilated room. Open doors and/or windows to ensure airflow and air changes. Use local exhaust ventilation to remove airborne contaminants from employee breathing zone.
Hygiene Measures:	Handle in accordance to good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Form:	Clear Liquid
Color:	Blue
Safety Data	
pH:	11.3 at 25 °C (77 °F)
Melting/Freezing Point:	No Data Available
Boiling Point:	No Data Available
Boiling Range:	No Data Available
Flash Point:	No Data Available
Auto-ignition Temperature:	No Data Available
Decomposition Temperature:	No Data Available
Flammability:	Non-flammable
Lower Flammability Limit:	Not Applicable
Upper Flammability Limit:	Not Applicable
Vapor Pressure:	No Data Available
Vapor Density:	No Data Available
Density:	1.10 g/mL at 25 °C (77 °F)

Solubility:	Soluble
Partition Coefficient:	
n-octanol/water	No Data Available
Viscosity:	No Data Available
Odor:	Mild Odor
Odor Threshold:	No Data Available
Percent Volatile (v/v):	No Data Available
Evaporation Rate:	No Data Available
VOC Content (ASTM D2639):	0%

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under recommended storage conditions.
Possibility of Hazardous Reactions:	None Known.
Hazardous Decomposition Products:	Sodium oxides, phosphorous oxides, phosphine, potassium oxides, carbon oxides, nitrogen oxides.
Conditions to Avoid:	Exposure to incompatible materials, heat, flames, and direct sunlight.
Incompatible Materials:	Strong acids, strong oxidizing agents, nitrates, reducing agents, organic materials, anhydrides, azides, halogens.

11. TOXICOLOGY INFORMATION

Toxicity

	LD_{50}	LC_{50}
Potassium Hydroxide	Oral – 333 mg/kg (Rat)	No Data Available
Sodium Metasilicate	Oral – 1,152 mg/kg (Rat)	No Data Available

Reproductive Effects	**Teratogenicity**	**Mutagenicity**	**Embryotoxicity**	**Sensitization**	**Synergistic Products**
No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available

Carcinogenicity

NTP:	No component of this product present at levels ≥ 0.1% is identified as probable, possible or confirmed human carcinogen.
IARC:	No component of this product present at levels ≥ 0.1% is identified as probable, possible or confirmed human carcinogen.
Likely Routes of Exposure:	Eye and skin contact.
Specific Target Organ Toxicity	
Single Exposure:	Eye and skin contact – May cause chemical burns to exposed tissues.
Repeated Exposure:	Eye and skin contact – May cause and permanent damage/loss of vision.
Potential Health Effects	
Inhalation:	Harmful if inhaled. Causes respiratory tract irritation. May result in coughing, wheezing, inflammation and edema of the bronchi, pulmonary edema.
Eye Contact:	Severely irritating. Causes eye burns.
Skin Contact:	May be harmful if absorbed through skin. Severely irritating. Causes skin burns.
Ingestion:	Harmful if swallowed. May result in coughing, wheezing, shortness of breath.
Chronic Symptoms and Effects:	Material may cause rash or inflammation of the eyes, skin, and mucous membranes.
Additional Information:	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated at product concentrations.

12. ECOLOGICAL INFORMATION

Toxicity

Potassium Hydroxide

Fish:	Mosquito Fish (LC_{50}) = 80 mg/L (96 hr) Guppy (LC_{50}) = 165 mg/L (24 hr) Fathead Minnow (LC_{50}) = 179 mg/L (96 hr)

Aquatic Invertebrates	Water Flea (EC_{50}) = 60 mg/L (48 hr)
Sodium Metasilicate	No Data Available
Mobility:	This product is miscible in water and will readily increase pH of receiving waters. Potential for mobility in soil is very high.
Degradability:	No Data Available.
Bioaccumulation:	No Data Available.
General Notes:	Damaging effects are mostly a consequence of the increase in pH. Upper pH limit tolerated by most freshwater fish is 8.4: the pH must generally be greater than 9 before the aqueous environment becomes lethal for fully developed fish. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13. DISPOSAL CONSIDERATIONS

Recommendation:	Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Care must be taken when using or disposing of chemical materials and/or their containers to prevent environmental contamination. It is your duty to dispose of the chemical materials and/or their containers in accordance with all federal, state, or local laws and regulations. Consult disposal expert.
Contaminated Packaging:	Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)

Not Regulated as Dangerous Goods.

15. REGULATORY INFORMATION

U.S. Toxic Substances Control Act	All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

Superfund Amendments and Reauthorization Act (SARA)

SARA 302 Components:	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components:	This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.
SARA 311/312 Hazards:	Acute Toxicity (Oral) Skin Corrosion Serious Eye Damage
Proposition 65:	This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

HMIS Rating:	Health: 2	Flammability: 0	Reactivity: 0

SDS Number:	53254E
Revision Date:	January 25, 2024