

Superoxide Dismutase

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /
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1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Superoxide Dismutase	Distributor:	MakingCosmetics Inc.
Synonyms:	No data available	Address:	10800 231 st Way NE Redmond, WA 98053 (USA)
INCI Name:	Water (and) Pentylene Glycol (and) Phenoxyethanol (and) Superoxide Dismutase (and) Tromethamine		
CAS Number:	7732-18-5, 5343-92-0, 122-99-6, 9054-89-1, 77-86-1	Phone / Fax:	425-292-9502 / 425-292-9601
Formula:	No data available	Web:	www.makingcosmetics.com
Product Form:	Liquid		
Product Use:	Cosmetic use	Emergency Telephone Number:	1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification:	Respiratory sensitization: Category 1		
GHS Signal Word:	DANGER!		
GHS Hazard Pictograms:			
GHS Hazard Statements:	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.		
GHS Precautionary Statements:	(Prevention) P261: Avoid breathing mist or vapours. P285: In case of inadequate ventilation wear respiratory protection. (Response) P304 + P341: IF INHALED If breathing is difficult, remove person to fresh air and keep comfortable for breathing. P342 + P311: If experiencing respiratory symptoms: Call a POISON CENTER/ doctor. (Disposal) P501: Dispose of contents/ container to an approved waste disposal plant.		
Potential Health Hazards:	Eyes: May be an irritant. Inhalation: May be an irritant. Skin: May be an irritant. Ingestion: May cause nausea, vomiting, and diarrhea.		
NFPA Ratings (704):	Health	0	Minimal
	Flammability	0	Minimal
	Reactivity	0	Minimal
	Specific Hazard	N/A	

3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Water	7732-18-5	≥95%	Not Available
Pentylene Glycol	5343-92-0	≤2%	Not Available
Phenoxyethanol	122-99-6	<1%	Not Available
Superoxide Dismutase	9054-89-1	<1%	Not Available
Tromethamine	77-86-1	<1%	Not Available

4 FIRST AID MEASURES

Eyes:	Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing.
Inhalation:	Move to fresh air. If symptoms persist, call a physician.
Skin:	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.
Ingestion:	Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Do not

give milk or alcoholic beverages. Obtain medical attention.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:	May be combustible at high temperatures. Use appropriate media (alcohol-resistant foam, dry chemical) for surrounding environment for adjacent fire. Do not use direct water jet.
Special protective equipment & precautions for firefighters:	Wear self-contained breathing apparatus and full protective clothing, including eye protection and boots.
Specific hazards arising from the chemical:	None known. See also Stability and reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.
Environmental precautions:	Avoid liquid release into sewers/public water/environment. Notify environmental authorities in case of leak.
Methods and material for containment and cleaning up:	Wipe up with absorbent material (e.g. cloth, fleece). Keep in suitable, closed containers for disposal. Dispose of absorbed material in accordance with the regulations.

7 HANDLING & STORAGE

Precautions for safe handling:	Take necessary action to avoid static electricity discharge. Product will burn under fire conditions. Use good personal hygiene practice. See section 8 for recommendations on the use of personal protective equipment.
Conditions for safe storage, incl. any incompatibilities:	To maintain product quality, do not store in heat or direct sunlight. Keep container tightly closed and dry. Store away from incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Superoxide Dismutase	0.000060 mg/m ³ (Total Dust)	STEL	Internal Limit

TWA: Time Weighted Average over 8 hours of work.
TLV: Threshold Limit Value over 8 hours of work.
REL: Recommended Exposure Limit
PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.
IDLH: Immediately Dangerous to Life or Health
WEEL: Workplace Environmental Exposure Levels
CEIL: Ceiling

Personal Protection:

Eyes:	Safety glasses with side-shields.
Inhalation:	No personal respiratory protective equipment normally required.
Body:	Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Other:	Use good personal hygiene practices. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Aqueous solution	Vapor Pressure:	Not determined
Odor:	Characteristic	Vapor Density:	Not applicable
Odor Threshold:	No data available	Evaporation Rate:	Not determined
Color:	Light green to clear	Flammability:	No data available
Molecular Weight:	No data available	Upper/lower Explosive Limit:	Not determined
pH:	7.5 - 8.5	Flash Point:	Does not flash
Boiling Point:	212° F (100° C)	Specific Gravity:	No data available
Melting Point/Range:	Not determined	Solubility:	Water: Soluble Oils/Fats: Insoluble
Relative Density at 20° C:	1.002 - 1.012	Auto-Ignition Temperature:	Not determined
Density:	Not determined	Decomposition Temperature:	No data available
Partition Coefficient: n-	Not applicable	Explosive Properties:	Not explosive

octanol/water:
Kinematic Viscosity: Not determined Refractive index at 25 °C: 1.337 - 1.341

10 STABILITY AND REACTIVITY

Reactivity: No hazards to be specially mentioned.
Chemical Stability: Stable under recommended storage conditions.
Hazardous Polymerization: No data available.
Conditions to Avoid: No data available.
Incompatible Materials: No data available.
Hazardous Decomposition Products: No decomposition if used as directed.
Possible Hazardous Reactions: Possible incompatibility with strong acids, strong bases, and strong oxidizing agents.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity: No data available.
Skin: No skin irritation (Human, Patch Test 48 Hrs.)
Eyes: No eye irritation (In vitro study, OECD Test Guideline 492, 0.5 hours); Tested with a similar product containing 10% pentane-1,2-diol.
Inhalation: No data available.
Ingestion: (Rat) LD50: > 2,000 mg/kg; Test performed using a similar product (OECD Test Guideline 401).
Carcinogenicity: No indication for carcinogenicity known.
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
OSHA: No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
Teratogenicity: No data available.
Germ Cell Mutagenicity: not mutagenic (Ames test, OECD Test Guideline 471) Test performed using a similar product.
Embryotoxicity: No data available.
Specific Target Organ Toxicity: The substance or mixture is not classified as specific target organ toxicant, single exposure.
Sensitization: Did not cause sensitization. (Guinea pig, OECD Test Guideline 406) Test performed using a similar product. no photoallergic skin reaction (Guinea pig) Test performed using a similar product.
Aspiration Toxicity: No aspiration toxicity classification.

12 ECOLOGICAL INFORMATION

Ecotoxicity: No data available.
Aquatic Vertebrate: No data available.
Aquatic Invertebrate: No data available.
Terrestrial: No data available.
Persistence and Degradability: Component: Pentylene Glycol; Biodegradable; 73% (OECD Test Guideline 301E) The 10 day time window criterion is not fulfilled.
Bioaccumulative Potential: No data available.
Mobility in Soil: No data available.
PBT and vPvB Assessment: No data available.
Other Adverse Effects: Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances.
 Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

13 DISPOSAL CONSIDERATIONS

Waste Residues: Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product.
Product Containers: Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies, if necessary, before disposing of waste product container.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

14 TRANSPORT INFORMATION

DOT (Dept. of Transportation, USA):	Not regulated as a dangerous good.
TDG (Transportation of Dangerous Goods, Canada):	No data available.
IMDG (International Maritime Dangerous Goods):	Not regulated as a dangerous good.
IATA (International Air Transport Association):	Not regulated as a dangerous good.
ICAO (International Civil Aviation Organization):	No data available.
49 CFR:	Not regulated as a dangerous good.

15 REGULATORY INFORMATION

TSCA List:	No substances are subject to a Significant New Use Rule. No substances are subject to TSCA 12(b) export notification requirements.
CERCLA:	This material does not contain any components with a CERCLA reportable quantity.
SARA 304:	This material does not contain any components with a section 304 Extremely Hazardous Substances Reportable Quantity.
SARA 302:	This material does not contain any components with a section 302 Extremely Hazardous Substances Threshold Planning Quantity.
SARA 311/312 Hazards:	Respiratory or skin sensitization.
SARA 313:	This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
Clean Air Act:	This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B). This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61). This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F). This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).
Clean Water Act:	This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A. This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3. This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307. This product does not contain any priority pollutants related to the U.S. Clean Water Act.
MA Right to Know:	No components are subject to the Massachusetts Right to Know Act.
PA Right to Know:	Water (CAS: 7732-18-5).
ME Right to Know:	Product does not contain any listed chemicals.
VT Right to Know:	Product does not contain any listed chemicals.
WA Right to Know:	Product does not contain any listed chemicals.

16 OTHER INFORMATION

Revision Date:	20-Aug-2026
Compliance:	This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
Disclaimer:	This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.