

TSGD (Tetrasodium Glutamate Diacetate)


Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /
March 26, 2012 / Rules and Regulation

Revision Date: 05-Nov-2024
Supersedes: 22-Feb-2023

1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	TSGD (Tetrasodium Glutamate Diacetate)	Distributor:	MakingCosmetics Inc.
Synonyms:	No data available	Address:	10800 231 st Way NE Redmond, WA 98053 (USA)
INCI Name:	Water, Tetrasodium Glutamate Diacetate	Phone / Fax:	425-292-9502 / 425-292-9601
CAS Number:	7732-18-5, 51981-21-6	Web:	www.makingcosmetics.com
Formula:	No data available		
Product Form:	Liquid		
Product Use:	Cosmetic use	Emergency Telephone Number:	1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

Classification:	Corrosive to Metals: Category 1 Skin Corrosion/Irritation: Category 1A, B, C Serious Eye Damage/Eye Irritation: Category 1												
Signal Word:	DANGER!												
Hazard Pictograms:													
Hazard Statements:	H290: May be corrosive. H314: Causes severe burns and eye damage. H318: Causes serious eye damage.												
Precautionary Statements:	P234: Keep only in original package. P260: Do not breathe dust/fume/gas/mist/vapours/spray. P264: Wash skin thoroughly after handling. P280: Wear protective gloves/protective clothing/ eye protection/face protection. P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P303+361+353: IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water or shower. P304+340: IF INHALED: Remove victim to fresh air and keep comfortable for breathing. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing. P310: Immediately call a POISON CENTER or doctor/physician. P321: Specific treatment (see... on label) P363: Wash contaminated clothing before reuse. P390: Absorb spillage to prevent material damage. P405: Store locked up. P406: Store in a corrosive resistant container with a resistant inner liner. P501: Dispose of contents/container to a licensed, hazardous waste disposal contractor/collection site.												
Potential Health Hazards:	Eyes: Causes serious eye damage. Inhalation: May be an irritant. Skin: Causes severe burns. Ingestion: May cause nausea, vomiting, and diarrhea.												
HMIS Ratings:	<table border="0"> <tr> <td>Health</td> <td>3</td> <td>Serious</td> </tr> <tr> <td>Flammability</td> <td>1</td> <td>Slight</td> </tr> <tr> <td>Reactivity</td> <td>0</td> <td>Minimal</td> </tr> <tr> <td>Specific Hazard</td> <td>N/A</td> <td></td> </tr> </table>	Health	3	Serious	Flammability	1	Slight	Reactivity	0	Minimal	Specific Hazard	N/A	
Health	3	Serious											
Flammability	1	Slight											
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>
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Water	7732-18-5	52 - 54%	Not Available
Tetrasodium Glutamate Diacetate	51981-21-6	46 - 48%	Not Available

4 FIRST AID MEASURES

Eyes:	Rinse thoroughly with plenty of water. Eyelids should be held away from the eyeball to ensure thorough rinsing. Seek medical advice.
Inhalation:	Dust may be irritating to the respiratory tract and cause symptoms of bronchitis. Move to fresh air. If symptoms persist, seek medical advice.
Skin:	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.
Ingestion:	Do Not Induce Vomiting. Never give anything by mouth to an unconscious person. Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:	May be combustible at high temperatures. Use appropriate media (dry chemical, CO ₂ , water spray, regular foam) for surrounding environment and adjacent fire. No unsuitable extinguish media listed.
Special protective equipment & precautions for firefighters:	Wear self-contained breathing apparatus and full protective clothing, including eye protection and boots. Dispose of contaminated extinction water according to official regulations.
Flash Points:	No data available.
Specific hazards arising from the chemical:	Thermal decomposition can lead to release of irritating and toxic gases and vapors. Nitrous gases may be produced. See also Stability and reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures:	Evacuate personnel to safe areas. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation, especially in confined areas. Do not breathe dust/fume/gas/mist/vapors/sprays. 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:	Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Dispose of absorbed material in accordance with the regulations.

7 HANDLING & STORAGE

Precautions for safe handling:	Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not breathe dust/fume/gas/mist/vapors/spray. Use only with adequate ventilation and in closed systems. Do not handle until all safety precautions have been read and understood. Always wear a self-contained breathing apparatus or full-face airline respirator when using this chemical. Use good personal hygiene practice. See section 8 for recommendations on the use of personal protective equipment.
Conditions for safe storage, incl. any incompatibilities:	Stored in the dry and ventilated inside storeroom, prevent direct sunlight, slightly pile and put down. 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>
TSGD (Tetrasodium Glutamate Diacetate)	Not available		

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: Wear appropriate safety glasses, goggles or full-face shield.
Inhalation: In case of insufficient ventilation, wear suitable respiratory equipment.
Body: Wear appropriate chemical resistant clothing and gloves.
Other: Use good personal and industrial hygiene practices. Use in a well-ventilated area. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Light yellow liquid	Vapor Pressure:	Same as water
Odor:	Slightly ammonia like	Vapor Density:	Same as water
Odor Threshold:	No data available	Evaporation Rate:	No data available
Color:	No data available	Flammability:	Nonflammable or combustible
Molecular Weight:	No data available	Upper/lower Explosive Limit:	No data available
pH at 25°C:	11 - 12	Flash Point:	No data available
Boiling Point:	221 - 230°F (105-110°C)	Specific Gravity:	1.33 - 1.42 g/cm ³
Melting/Freezing Point:	<-15°C	Solubility:	Miscible
Relative Density:	No data available	Auto-Ignition Temperature:	Not applicable
Partition Coefficient: n-octanol/water:	No data available	Decomposition Temperature:	536°F (>280°C)
Viscosity:	No data available	Explosive Properties:	No data available
Oxidizing Properties:	No data available	Metal Corrosion:	No data available

10 STABILITY AND REACTIVITY

Reactivity: No data available.
Chemical Stability: Stable under normal temperatures and pressures.
Hazardous Polymerization: Corrosivity to metals.
Conditions to Avoid: Strong heating.
Incompatible Materials: Strong oxidizing agents, strong acids, strong bases, copper, aluminum, zinc, copper alloys, nickel.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, nitrogen oxide.
Possible Hazardous Reactions: No data available.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity Value: (Oral, rat) LD50: >2000 mg/kg bw; (Dermal, Rat) LD50: >2000 mg/kg bw; LC50 (Inhalation, Rat): >4.2 mg/L air, 4 hours.
Skin: Causes severe skin burns and eye damage.
 (Dermal, Rat) LD50: >2000 mg/kg bw.
Eyes: Causes serious eye damage.
Inhalation: Not classified.
 (Inhalation, Rat) LC50 >4.2 mg/L air (analytical); 4 hours; acute toxicity.
Ingestion: (Oral, Rat) LD50: >2000 mg/kg bw.
Likely Route of Exposure: Eye contact, skin contact, inhalation.
Carcinogenicity: Not classified.
Teratogenicity: No data available.
Germ Cell Mutagenicity: Not classified.
Embryotoxicity: No data available.
Specific Target Organ Toxicity: No data available.
Reproductive Toxicity: Not classified.
Sensitization: Not classified.

12 ECOLOGICAL INFORMATION

Ecotoxicity: No data available.
Aquatic Vertebrate: (Fish) LC50: >100 mg/L, 72 hours.
Aquatic Invertebrate: (Daphnia) EC50: >100 mg/L, 48 hours.

Terrestrial:	(Algae) EC50: Not applicable, 72 hours.
Persistence and Degradability:	Readily biodegradable in water.
Bioaccumulative Potential:	No data available.
Mobility in Soil:	No data available.
PBT and vPvB Assessment:	No data available.
Other Adverse Effects:	No data available.

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:	Empty containers should be taken for local recycling, recover, or waste disposal. 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):	UN Number: 3267 Proper Shipping Name: Corrosive liquid, basic, organic, n.o.s. (TetrasodiumN,N-bis(carboxylatomethyl-L-glutamate, Sodium Hydroxide) Hazard Class: 8 Packing Group: III Environmental Hazards: No
TDG (Transportation of Dangerous Goods, Canada):	No data available.
IMDG (International Maritime Dangerous Goods):	UN Number: 3267 Proper Shipping Name: Corrosive liquid, basic, organic, n.o.s. (TetrasodiumN,N-bis(carboxylatomethyl-L-glutamate, Sodium Hydroxide) Hazard Class: 8 Packing Group: III Environmental Hazards: No
IATA (International Air Transport Association):	UN Number: 3267 Proper Shipping Name: Corrosive liquid, basic, organic, n.o.s. (TetrasodiumN,N-bis(carboxylatomethyl-L-glutamate, Sodium Hydroxide) Hazard Class: 8 Packing Group: III Environmental Hazards: No
ICAO (International Civil Aviation Organization):	No data available.

15 REGULATORY INFORMATION

TSCA Inventory Status:	Listed.
SARA Title III Section 302/304:	No chemicals in this material are subject to the reporting requirements of SARA Title III Section 302/304 extremely hazardous substances.
SARA Title III Section 311/312:	Classified as an acute hazard.
SARA Title III Section 313:	No chemicals in this material are subject to the reporting requirements.
CERCLA Section 102(a):	No chemicals in this material are subject to the reporting requirements for hazardous substances.
Clean Air Act (CAA):	Not regulated.
Safe Drinking Water Act (SDWA):	Not regulated.
California Proposition 65:	WARNING: This product can expose you to chemicals including formaldehyde < 80 ppm, which is known to the State of California to cause cancer or reproductive toxicity. For more information, go to www.P65Warnings.ca.gov
Canada (DSL):	No data available.
EU (EINECS):	No data available.
China (IECSC):	No data available.
Australia (AICS):	No data available.

Japan (ENCS):	No data available.
Philippines (PICCS):	No data available.
Korea (KECI):	No data available.
New Zealand (NZIoC):	No data available.

16 OTHER INFORMATION

Revision Date: 05-Nov-2024

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.