

TSGD (Tetrasodium Glutamate Diacetate)

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

Revision Date: 12/21/2020
Supersedes: 04/30/2020

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:	Tetrasodium glutamate diacetate	Phone / Fax:	425-292-9502 / 425-292-9601
CAS Number:	51981-21-6	Web:	www.makingcosmetics.com
Formula:	Not available		
Product Form:	liquid		
Product Use:	Cosmetic use	Emergency Telephone Number:	1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification: Skin Corrosion/Irritation: Category 1A, B, C
Serious Eye Damage/Eye Irritation: Category 1

GHS Signal Word: DANGER!

GHS Hazard Pictograms:



GHS Hazard Statements:

H314: Causes severe burns and eye damage
H318: Causes serious eye damage

GHS Precautionary Statements:

P260: Do not breath dust/fume/gas/mist/vapors/spray
P264: Wash... thoroughly after handling
P280: Wear protective gloves/protective clothing/eye protection/face protection
P301 + P330 + P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353: IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water or shower.
P304 + P340: IF INHALED: Remove victim 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 so - continue rinsing
P310: Immediately call a POISON CENTER or doctor/physician
P321: Specific treatment (see... on this label)
P363: Wash contaminated clothing before reuse
P405: Store locked up
P501: Dispose of contents/container to...

Potential Health Hazards:

Eyes: Causes serious eye damage.
Inhalation: No data available
Skin: Causes severe skin burns.
Ingestion: No data available

NFPA Ratings (704):

Health	3	Serious
Flammability	1	Slight
Reactivity	0	Minimal
Specific Hazard	N/A	

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
Tetrasodium N,N-bis(carboxylatomethyl)-L-glutamate	51981-21-6	45-50%	Not Available
Sodium Hydroxide	1310-73-2	<1%	Not Available

The precise composition of this product is proprietary information. In the event of a medical emergency, a complete disclosure will be provided to medical personnel.

4 FIRST AID MEASURES

- 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 advice/attention.
- Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
- Skin:** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. In case of persistent skin irritation, consult a physician.
- Ingestion:** Rinse mouth. Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. 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 temperature. Use appropriate media (foam, carbon dioxide, dry chemical, water spray) for adjacent fire. Do not use direct water stream.
- Special protective equipment & precautions for firefighters:** In case of fire and/or explosion do not breathe fumes. Protective respirator with independent air supply. According to size of fire. Full protection, if necessary. 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. 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/spray. 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. Notify environmental authorities in case of large leaks.
- 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 all waste and cleanup materials in accordance with 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 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. See section 8 for recommendations on the use of personal protective equipment. Keep container closed when not in use.
- Conditions for safe storage, incl. any incompatibilities:** Store in the dry and ventilated insides storeroom, prevent direct sunlight, slightly pile and put down. Store in cool, dry well-ventilated area. Keep away from heat and incompatible materials (see section 10 for incompatibilities).

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Component	Exposure Limits	Basis	Entity
Sodium Hydroxide	2 mg/m ³	CEIL	OSHA PEL
	2 mg/m ³	CEIL	ACGIH TLV

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:** Use in a well-ventilated area. In case of insufficient ventilation, wear suitable respiratory equipment.
- Body:** Wear appropriate chemical resistant gloves and clothes.

Other: Wash hands, forearms, and face thoroughly after handling chemical products, before eating, smoking, and using the lavatory at the end of the working period. Keep away from foodstuffs, beverages, and feed. Immediately remove all soiled and contaminated clothing. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear to light yellow liquid	Vapor Pressure:	0.8 mBar
Odor:	Slightly ammonia like	Vapor Density:	No data available
Odor Threshold:	No data available	Evaporation Rate:	No data available
Color:	Clear to light yellow	Flammability:	No data available
Molecular Weight:	No data available	Upper/lower Explosive Limit:	No data available
pH @ 25 °C:	11-12	Flash Point:	No data available
Boiling Point:	No data available	Specific Gravity:	1.466
Melting Point:	No data available	Solubility in Water:	No data available
Relative Density:	No data available	Auto-Ignition Temperature:	460 °C
Partition Coefficient: n-octanol/water:	No data available	Decomposition Temperature:	>280 °C
Viscosity:	No data available	Explosive Properties:	No data available
Oxidizing Properties:	No data available	Freezing Point:	No data available

10 STABILITY AND REACTIVITY

Reactivity:	No data available
Chemical Stability:	Stable under normal temperatures and pressures
Hazardous Polymerization:	Carbon monoxide and carbon dioxide, nitrogen oxide.
Conditions to Avoid:	Strong heating
Incompatible Materials:	Strong oxidizing agents. Strong acids. Strong bases.
Hazardous Decomposition Products:	No data available

11 TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:	Eye contact, skin contact, inhalation.
Acute Toxicity:	No data available
Skin:	LD50: >2000 mg/kg bw
Eyes:	Causes serious eye damage.
Respiratory:	LC50: >4.2 mg/L air (4h)
Ingestion:	LD50: >2000 mg/kg bw
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
Respiratory/Skin Sensitization:	No data available
Corrosivity:	No data available
Sensitization:	Not classified
Irritation:	No data available
Repeated Dose Toxicity:	No data available

12 ECOLOGICAL INFORMATION

Ecotoxicity	
Aquatic Vertebrate:	LC50: >100 mg/L (72h) (fish)
Aquatic Invertebrate:	EC50: >100 mg/L (48h) (Daphnia)
Terrestrial:	EC50: N/A (72h) (Algae)
Persistence and Degradability:	No data available
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 container.

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):	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:	The components of this product are listed on the TSCA Inventory.
DSCL (EEC):	No data available
WHMIS (Canada):	No data available
EU EINECS/ELINCS/NLP:	No data available
China IECSC:	No data available
China IECIC (06.30.2014):	No data available
Australia AICS:	No data available
SARA 302/304 EHS:	No chemicals in this material are subject to the reporting requirements of SARA Title III Section 302/304 Extremely Hazardous Substance.
SARA 311/312:	Acute: Yes Chronic: N/A Fire: N/A Pressure: N/A Reactive: N/A
SARA 313:	No chemicals in this material are subject to the reporting requirements of SARA Title III Section 313.
CERCLA:	Sodium Hydroxide (CAS 1310-73-2). % by wt.: <1. RQ (lbs.): 1000
California Prop 65:	This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive effects.

16 OTHER INFORMATION

Revision Date:	12/21/2020
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.