MAKINGCOSMETICS SDS (Safety Data Sheet) ISO 22716 2007 CERTIFIED

Glycine-Benzoic Acid

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

Revision Date: 08/24/2020
Supersedes: 08/16/2019

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Glycine-Benzoic Acid
Synonyms: No data available
INCI Name: Benzoic acid, capryloyl glycine, undecylenoyl glycine
CAS Number: 65-85-0, 14246-53-8, 54301-26-7
Formula: No data available
Product Form: Flakes
Product Use: Cosmetic use

Distributor: MakingCosmetics Inc.
Address: 10800 231st Way NE
Redmond, WA 98053 (USA)
Phone / Fax: 425-292-9502 / 425-292-9601
Web: **www.makingcosmetics.com**

Emergency Telephone Number: 1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification:
Acute toxicity, Oral (Category 5)
Skin Irritation (Category 3)
Serious Eye damage (Category 1)
Specific target organ toxicity – repeated exposure, Inhalation (Category 1), Lungs
Acute aquatic toxicity (Category 2)
Chronic aquatic toxicity (Category 3)

GHS Signal Word: DANGER

GHS Hazard Pictograms:

GHS Hazard Statements:
H303: May be harmful if swallowed.
H316: Causes skin irritation.
H318: Causes serious eye damage.
H372: Causes damage to organs (Lungs) through prolonged or repeated exposure if inhaled.
H401: Toxic to aquatic life.
H412: Harmful to aquatic life with long lasting effects.

GHS Precautionary Statements:
P260: Do not breathe dust/fume/gas/mist/vapors/spray.
P273: Avoid release to environment.
P280: Wear eye protection/face protection.
P305 + P351 + P338 + P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
P332 + P313: If skin irritation occurs take medical advice/attention.
P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

Potential Health Hazards:
Eyes: Causes serious eye damage.
Inhalation: Causes damage to Lungs through prolonged or repeated exposure if inhaled.
Skin: Causes skin irritation.
Ingestion: May be harmful if swallowed.

NFPA Ratings (704):

Health	N/A	N/A
Flammability	N/A	N/A
Reactivity	N/A	N/A
Specific Hazard	N/A	

3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
Benzoic Acid	65-85-0	50%	Not Available
Capryloyl Glycine	14246-53-8	25%	Not Available
Undecylenoyl Glycine	54301-26-7	25%	Not Available

4 FIRST AID MEASURES

Eyes: Flush eyes with water as a precaution. Consult a physician. Show this safety data sheet to the doctor in attendance.

Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. Show this safety data sheet to the doctor in attendance.

Skin: Wash off with soap and plenty of water. Consult a physician. Show this safety data sheet to the doctor in attendance.

Ingestion: Rinse mouth with water. Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Consult a physician. Show this safety data sheet to the doctor in attendance.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: May be combustible at high temperature. Use appropriate media (foam, carbon dioxide, dry chemical) for adjacent fire. Do not use water.

Special protective equipment & precautions for firefighters: Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

Flash Points: No data available

Specific hazards arising from the chemical: Carbon oxides. See also Stability and Reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures: Avoid dust formation. Avoid breathing vapors, mist, or gas. 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: Sweep up and place in suitable, closed containers for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations.

7 HANDLING & STORAGE

Precautions for safe handling: Provide appropriate exhaust ventilation at places where dust is formed. 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 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
Glycine-Benzoic Acid	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:	Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 9EU).
Inhalation:	Respiratory protection is not required. Where protection from nuisance le (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Body:	Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
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:	Solid flakes	**Vapor Pressure:**	No data available
Odor:	Characteristic	**Vapor Density:**	No data available
Odor Threshold:	No data available	**Evaporation Rate:**	No data available
Color:	No data available	**Flammability:**	No data available
Molecular Weight:	No data available	**Upper/lower Explosive Limit:**	No data available
pH (1% aqueous dispersion):	2.5-3.5	**Flash Point:**	No data available
Boiling Point:	No data available	**Specific Gravity @ 25°C:**	1.05-1.20
Melting Range:	Completely melts around 90-95°C	**Solubility in Water:**	No data available
Relative Density:	No data available	**Auto-Ignition Temperature:**	No data available
Partition Coefficient: n-octanol/water:	No data available	**Decomposition Temperature:**	No data available
Viscosity:	No data available	**Explosive Properties:**	No data available
Oxidizing Properties:	No data available	**Freezing Point:**	No data available
Color on Lovibond RY (1" cell Y+R, 10% in 1:1 IPA:H2O):	10		

10 STABILITY AND REACTIVITY

Reactivity:	No data available
Chemical Stability:	Stable under recommended storage conditions.
Hazardous Polymerization:	No data available
Conditions to Avoid:	Avoid heat and exposure to air.
Incompatible Materials:	Strong oxidizing agents, strong bases, strong reducing agents.
Hazardous Decomposition Products:	Hazardous decomposition products formed under fire conditions – Carbon oxides, Sulphur oxides.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available
Skin:	Capryloyl Glycine: LD50: >2000 mg/kg (OECD 402) Undecylenoyl Glycine: LD50: >2000 mg/kg (OECD 402)
Eyes:	Capryloyl Glycine: Serious eye damage/eye irritation: Irritating OECD 404) Undecylenoyl Glycine: Serious eye damage/eye irritation: Irritating OECD 405) Benzoic Acid: Serious eye damage/eye irritation: Corrosive (OECD 405)
Respiratory:	Benzoic Acid: LC50: >2000 mg/kg (OECD 402)
Ingestion:	Capryloyl Glycine: LD50: >10,000 mg/kg (OECD 401) Undecylenoyl Glycine: LD50: >2000 mg/kg (OECD 401) Benzoic Acid: LD50: >2360 mg/kg (OECD 401)
Carcinogenicity:	No data available
Teratogenicity:	No data available
Germ Cell Mutagenicity:	Capryloyl Glycine: Non-mutagenic (OECD 471) (OECD 476) (OECD 473) Undecylenoyl Glycine: Non-mutagenic (OECD 471) (OECD 476) (OECD 473) Benzoic Acid: No data available (OECD 471) (OECD 476) (OECD 473)
Embryotoxicity:	No data available
Specific Target Organ Toxicity:	Capryloyl Glycine: Not classified Undecylenoyl Glycine: Not classified Benzoic Acid: Inhalation – causes damage to organs through prolonged or repeated exposure (Lungs)
Reproductive Toxicity:	Capryloyl Glycine: Not classified Undecylenoyl Glycine: Not classified Benzoic Acid:
Respiratory/Skin Sensitization:	Capryloyl Glycine: Non-sensitizing (OECD 405) Undecylenoyl Glycine: Non-sensitizing (OECD 405) Benzoic Acid: Non-sensitizing (OECD 405)
Corrosivity:	Capryloyl Glycine: Not classified as irritant Undecylenoyl Glycine: Not classified as irritant Benzoic Acid: Classified as irritant
Sensitization:	No data available
Irritation:	No data available
Repeated Dose Toxicity:	No data available

12 ECOLOGICAL INFORMATION

Ecotoxicity

Aquatic Vertebrate:	Capryloyl Glycine: LC50: >100 mg/L (96h) (*Danio rerio*) Benzoic Acid: LC50: >46.6 mg/kg (96h) (*Danio rerio*)
Aquatic Invertebrate:	Capryloyl Glycine: EC50: >100 mg/L (48h) (*Daphnia*) Undecylenoyl Glycine: EC50: >100 mg/L (48h) (*Daphnia*) Benzoic Acid: EC50: >860 mg/L (48h) (*Daphnia*)
Terrestrial:	Capryloyl Glycine: EC50: >4.644 mg/L (96h) (*Desmodesmus subspicatus*) Undecylenoyl Glycine: EC50: >10-100 mg/L (72h) (*Desmodesmus subspicatus*) Benzoic Acid: EC50: >31.1 mg/L (72h) (*Desmodesmus subspicatus*)
Persistence and Degradability:	Capryloyl Glycine: 86% (28d) – readily biodegradable (OECD 301B) Undecylenoyl Glycine: 62% (28d) – not readily biodegradable (OECD 301B) Benzoic Acid: Expected to be biodegradable (28d) (OECD 301B)
Bioaccumulative Potential:	Capryloyl Glycine: Log P_{ow}: 2.052 (OECD 117/EU A.8) Undecylenoyl Glycine: Log P_{ow}: 2.2 @ 20°C (OECD 117/EU A.8) Benzoic Acid: *Leuciscs idus* Golden orfe) – 3d – 50 µg/L
Mobility in Soil:	Capryloyl Glycine: Log K_{oc}: <1.25 (OECD 121) Undecylenoyl Glycine: Log K_{oc}: 2.16 (OECD 121)

PBT and vPvB Assessment:	This substance/mixture contains no components considered to be either persistent, bioaccumulative, and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
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. Offer surplus and non-recyclable solutions to a licensed disposal company.
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. Dispose of as unused product.

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):	Not regulated as a dangerous good
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):	Not regulated as a dangerous good

15 REGULATORY INFORMATION

TSCA Inventory Status:	No data available
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

16 OTHER INFORMATION

Revision Date:	08/24/2020
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 suitableness & completeness of such information for his own particular use.