

Safety Data Sheet

Galguard CG



Version No. 1 Date of revision: 01st March, 2023

1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

GHS Product identifier

Trade Name : Galguard CG
INCI Name : Capryloyl Glycine

Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Ingredient in Personal care products

Supplier's details : Galaxy Surfactants Limited
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2. HAZARD IDENTIFICATION

Classification of the substance or mixture:

Acute toxicity, Oral (Category 4), H302

Skin Irritation (Category 3), H316

Serious Eye damage (Category 1), S318

Specific target organ toxicity - repeated exposure, Inhalation (Category 1), Lungs, H372

Acute aquatic toxicity (Category 2), H401

Chronic aquatic toxicity (Category 3), H412

GHS label elements, including precautionary statements

Hazard pictogram:

GHS05: Corrosion



Signal word: Danger

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Hazard statement(s)

- 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.

Precautionary statement(s):

- P273 : Avoid release to the environment.
P280 : Wear protective gloves/protective clothing/eye protection/face protection.
P302 + P352 : IF ON SKIN: Wash with plenty of soap and water.
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 or doctor/physician.
P332 + P313 : If skin irritation occurs: Get medical advice/attention.
P362 + P362 : Take off contaminated clothing and wash it before reuse.
P501 : Dispose of contents/ container in accordance with local/ regional/ national/ international regulations.
Other hazards which do not result in classification : Not known

3. COMPOSITION/INFORMATION ON INGREDIENTS

INCI/Chemical Name	Synonyms	CAS Number	EC Number	%Concentration
Capryloyl Glycine	2-(otanoylamino)Acetic acid; N-Octanoyl Glycine	14246-53-8	238-122-3	≥ 98.0

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4. FIRST- AID MEASURES

Description of necessary first-aid measures

- Inhalation : Remove to fresh air. Seek medical attention, if necessary.
- Skin contact : Flush with plenty of water for at least 15 minutes. Seek medical advice, if necessary
- Eye contact : Immediately flush eyes with running water, keeping the eyelids open forcibly. Remove contact lenses, if present, after the first 5 minutes, then continue flushing eyes for at least 15 minutes. Seek medical attention
- Ingestion : Immediately rinse mouth and then drink plenty of water. Seek medical attention, if necessary
- Most important symptoms/effects, acute and delayed
- Skin contact : Causes skin irritation
- Eye contact : Risk of serious damage to eyes
- Indication of immediate medical attention and special treatment needed, if necessary
- Treatment : Treat symptomatically

5. FIRE- FIGHTING MEASURES

- Suitable Extinguishing Media : Dry chemical powder, water spray, carbon dioxide, foam
- Unsuitable Extinguishable Media : Do not use direct water stream, which may spread fire
- Special Fire-Fighting Procedures : Wear personal protective equipment and self contained breathing apparatus.
- Unusual Fire / Explosion Hazards : Development of hazardous combustion products like oxides of Carbon, nitrogen or vapors possible in the event of fire
- Hazardous Thermal Decomposition Products : Oxides of carbon and nitrogen
- Protection of Fire-fighters : Same as mentioned in special fire – fighting procedure

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment. Wash hands after exposure with the product. Avoid breathing dust. Avoid contact with skin, eyes and clothing
- Environmental precautions : Do not discharge into drains, surface water or ground water

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Methods and materials for cleaning up : Collect in suitable and properly labelled container. Avoid dust formation. Dispose of collected material in accordance with regulations.

7. HANDLING AND STORAGE

Handling : Follow general occupational hygiene such as, wash hands after use. Remove contaminated clothing. Avoid spills. Do not use hooks for handling bags. Use appropriate personal protective equipment while handling the material. Multiple handling may lead to formation of fine powder which may cause dusting during usage. To avoid dusting keep minimum distance between bag and the hooper. Use proper dust collection system to avoid particle contamination in the production area. In common with many organic chemicals, may form flammable dust clouds in air. The product can be Dust Explosion Hazard and rated as "St_{2H}". For necessary precautions refer to Safety Data Sheet "Dust Explosion Hazards". Use away from sources of heat and ignition. Take precautionary measures against static discharges. Follow safe procedures for loading and unloading of product.

Storage : Store the material in a cool, dry and well-ventilated place < 40°C away from direct heat, sunlight and moisture. Store away from sources of heat or ignition. Keep the bags tightly closed. Colour of the product may deteriorate on exposure to heat and sunlight. In the original sealed condition, when stored as suggested, the shelf life of the product is at least 3 years.

Stacking of paper bags : Non-palletized – maximum 12 bags while transporting and 8 bags during storage.

Palletized – 1+1 while transporting and during storage single pallet on ground or in rack.

Stacking on jumbo bags: Palletized (with crates) – 1+1, both during transport and storage

Suitable Packing Materials : 25 kg Paper bags with HDPE liner / Jumbo bags

Unsuitable packing material : Not known

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory System Protection	: Dust Mask
Skin and body protection	: Apron, shoes
Hand Protection	: Rubber gloves
Eye Protection	: Safety goggles
Environmental exposure controls	: Do not discharge into drains

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical state	: Crystalline Powder
Colour	: White
Odour	: Characteristic
Odour threshold	: No data available
pH (1% aqueous dispersion)	: 2.5 – 3.5 @ 25°C
Melting Point	: 105 – 110°C
Boiling Point	: 403 - 404°C @ 760.00 mmHg
Flash point	: 215.5 °C - closed cup - ISO 2719
Evaporation rate	: No data available
Flammability (solid, gas)	: Flammable
Upper/lower flammability or explosive limits	: Not available
Vapour pressure	: ca.0.0000133 hPa at 25°C
Vapour density	: No data available
Bulk density @ 20°C	: ≤ 585 kg/m ³ (bulk volume); ≤ 725 kg/m ³ (tapped volume)
Solubility in water	: 1.5 g/L @ 20°C
Solubility	: Soluble in ethanol. Slightly soluble in water and ketones
Partition coefficient: n-octanol/water	: log Pow: 1.24 @ 20°C
Auto-ignition temperature (°C)	: No data available
Decomposition temperature	: 350 – 450°C
Surface tension	: 54.6 mN/m at conc. of 0.86 g/L and 20°C

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10. STABILITY AND REACTIVITY

Reactivity	: No hazardous reactions, if stored and handled as prescribed (Refer Section 7)
Chemical stability	: Stable under normal ambient and anticipated storage and handling conditions of temperature and pressure. Stable up to approximately 180°C
Possibility of hazardous reactions	: Not anticipated when used or handled as prescribed
Conditions to avoid	: Sunlight, Heat, flame and other sources of ignition. Avoid dust generation.
Incompatible materials	: Do not subject to strong acids, alkali, oxidizing and reducing agents
Hazardous decomposition products	: Will not form, if stored or handled as prescribed

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity (Rat)	: LD ₅₀ : > 1000 mg/kg bw (OECD Guideline 401)
Acute dermal toxicity (Rat)	: LD ₅₀ : > 2000 mg/kg bw (OECD Guideline 402/EU Method B.3)
Acute inhalation toxicity	: No data available
Skin corrosion/irritation (Rabbit)	: Irritating (OECD Guideline 404)
Serious eye damage/irritation (Rabbit)	: Irritating (Guideline: BIOGIR SA Protocol SMK)
Respiratory or skin sensitization (Guinea pig)	: Not sensitizing (OECD Guideline 406)
Germ cell mutagenicity	
In vitro data	
Bacterial reverse mutation assay	: Non-mutagenic (OECD Guideline 471)
Mammalian cell gene mutation assay	: Non-mutagenic (OECD Guideline 476)
Mammalian chromosome aberration test	: Negative (OECD Guideline 473)
Carcinogenicity	: No data available
Reproductive toxicity	: Not Classified Toxicity to reproduction: Oral (Rat):

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	NOAEL parental toxicity: 200 mg/Kg bw/day
	NOEL reproduction (mating and fertility): 200 mg/kg bw/day
	NOEL offspring toxicity: 200 mg/Kg bw/day (OECD Guideline 422)
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not Classified
	Toxicity to reproduction: Oral (Rat): NOAEL: 200 mg/Kg bw/day (OECD Guideline 422)
Aspiration hazard	: Not classified
Information on the likely routes of exposure	: Dermal and oral
Symptoms related to the physical, chemical and toxicological characteristics	: Skin contact: Causes skin irritation Eye contact: Risk of serious damage to eyes
Delayed and immediate effects and also chronic effects from short and long term exposure	: Short term exposure: Not known Long term exposure: Not known

12. ECOLOGICAL INFORMATION

Short-term toxicity to fish	: Danio rerio LC ₅₀ (96 h): 100 mg/l (OECD Guideline 203)
Long-term toxicity to fish	: No data available
Short-term toxicity to aquatic invertebrates	: Daphnia magna EC ₅₀ (48 h): > 100 mg/l (OECD Guideline 202)
Long-term toxicity to aquatic invertebrates	: No data available
Toxicity to aquatic algae	: Green alga EC ₅₀ (96 h): 4.644 mg/l (QSAR)
Persistency and degradability	: Readily biodegradable; 86 % after 28 days (CO ₂ evolution) OECD Guideline 301 B (Ready Biodegradability: CO ₂ Evolution Test)
Bio-accumulative potential	: Log P _{ow} : 2.052 at 20°C (OECD Guideline 117/ EU Method A.8)
Mobility in soil	: Adsorption coefficient log K _{oc} : < 1.25 (OECD Guideline 121)
Other adverse effects	: Not known

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13. DISPOSAL CONSIDERATIONS

Disposal methods : Dispose of contents/container in accordance with local/regional/national/ international regulations

14. TRANSPORT INFORMATION

Not classified as dangerous according to transport regulations

15. REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product in question : Refer to all applicable national, international and local regulations or provisions

16. OTHER INFORMATION

Source of information : In-house and literature

Product Name : Capryloyl Glycine
Version : 01
Date of issue : 01st March 2023
SDS prepared by : Mr. Kamlesh Barai
Authorized by : Dr. Nirmal Koshti
Ref. Doc. FGSM-IBC:

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