

Safety Data Sheet as per Globally Harmonized System (GHS)

Galsoft SLG Plus

Version No. 5 Revised on: May 17, 2021

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

GHS Product identifier

Trade Name : Galsoft SLG Plus

Chemical identity of ingredients that contribute to classification : Sodium Lauroyl Glycinate

Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Ingredient in Personal and Home Care products

Supplier's details : Galaxy Surfactants Limited
C-49/2, TTC Industrial Area
Pawne, Navi Mumbai, 400703, India
Tel: +91-22-27616666 / +91-22-39135500
e-mail: galaxy@galaxysurfactants.com

Emergency phone number : For product information: + 91-9967540569 / + 91-9867673376
(Language: English)
For Incident (Spill, Leak, Fire, Exposure, or Accident)
CHEMTREC (Day or Night): +1 703-741-5970 / 1-800-424-9300

2. HAZARD IDENTIFICATION

Classification of the substance or mixture:

Eye irritation Category 2A; H319

Acute aquatic toxicity Category 2; H401

GHS label elements, including precautionary statements

Hazard pictogram:



Signal word: Warning

Hazard statement(s)

H319: Causes serious eye irritation.

H401: Toxic to aquatic life.

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Precautionary statement(s):

P264: Wash hands thoroughly after handling.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313: If eye irritation persists: Get medical advice/attention.

P501: Dispose off 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
Sodium Lauroyl Glycinate	Glycine, N-(1-oxododecyl)-, monosodium salt; Reaction products of fatty acid chlorides, C8-12 (even numbered) with glycine and sodium hydroxide	18777-32-7	Not available	≤ 29
Glycerin	Glycerol; Propane-1,2,3-triol	56-81-5	200-289-5	≤ 1

4. FIRST-AID MEASURES

Description of necessary first-aid measures

Inhalation	: Remove to fresh air
Skin contact	: Flush with plenty of water for at least 15 minutes. Seek medical attention, if necessary
Eye contact	: Flush for at least 15 minutes under running water with eyelids held open forcibly. Seek medical advice, if necessary
Ingestion	: Immediately rinse mouth and then drink plenty of water. Seek medical attention, if necessary

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Most important symptoms/effects,
acute and delayed

Eye contact : Causes serious eye irritation

Indication of immediate medical attention and
special treatment needed, if necessary

Treatment : Treat symptomatically

5. FIRE- FIGHTING MEASURES

Suitable extinguishing media : Water, carbon dioxide, dry chemical powder, foam

Unsuitable extinguishing media : Not known

Specific hazards arising from the chemical : Development of hazardous combustion products like
oxides of carbon and nitrogen possible in the event of fire

Special protective equipment and precautions
for fire-fighters : Wear personal protective equipment and self-contained
breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment
and emergency procedures : Use personal protective equipment. Wash hands after exposure
with the product. Avoid contact with skin, eyes and clothing

Environmental precautions : Do not discharge into drains or waterways

Methods and materials for containment
and cleaning up : Small spill: Absorb with suitable absorbent material. Collect
in suitable and properly labeled container.
Large spill: Contain spilled material if possible. Pump into
suitable and properly labeled containers. Dispose off absorbed
material/collected material in accordance with regulations

7. HANDLING AND STORAGE

Precautions for safe handling : Follow general occupational hygiene such as, wash hands
after use. Do not eat, drink or smoke in work areas. Remove
contaminated clothing. Avoid spill. Follow safe procedures for
loading and un-loading of product

§Conditions for safe storage, including
any incompatibilities : Store the material in a clean, dry place at 25 - 50°C away from
direct heat and sunlight. Keep the containers tightly closed. In
original sealed condition, when stored as suggested, the shelf
life of the product is two years. Use the entire product,
once carboy is opened. Once IBC is opened, consume the

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product within a week. When taken in ISO tanker, it is recommended that material be consumed within one month's time, after unloading in storage tank. Product solidifies, if stored at $\leq 9^{\circ}\text{C}$. The product has tendency to crystallize on storage in case of slightly higher solids ($> 26\%$) and/or at lower temperature ($< 25^{\circ}\text{C}$). If the product is frozen/crystallized, it is recommended to increase the temperature of the product to maximum 55°C by heating jacketed ISO container with hot water or low pressure steam ($< 2 \text{ kg/cm}^2$). If the product is frozen/crystallized in IBC/HMHDPE carboys, then keep the same in hot room of $30\text{-}40^{\circ}\text{C}$ (avoid direct heating). Post melting to liquid, entire mass has to be made homogeneous before use.

Stacking of carboys: non-palletized: single, both while transport and during storage

Palletized: 1+1, both while transport and during storage

Stacking of IBC: 1+1, both while transport and during storage

Suitable packing materials : HMHDPE carboys / IBC / ISO tank

Unsuitable packing materials : Mild steel and glass

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational exposure limits

§Occupational exposure limits for Glycerin (CAS Number: 56-81-5; EC Number: 200-289-5)

Country	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m ³	ppm	mg/m ³
Australia	-	10 (This value is for inhalable dust containing no asbestos and $< 1\%$ crystalline silica)	-	-
Belgium	-	10	-	-
Canada - Ontario	-	10	-	-
Canada - Québec	-	10	-	-
Finland	-	20	-	-
France	-	10	-	-
Germany (AGS)	-	200 (inhalable fraction)	-	400 (inhalable fraction) (15 minutes average value)
Germany (DFG)	-	200 (inhalable fraction)	-	400 (inhalable fraction) (15 minutes average value)
Ireland	-	10	-	-

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New Zealand	-	10 (This value is for inhalable dust containing no asbestos and less than 1% free silica)	-	-
Poland	-	10	-	-
Singapore	-	10	-	-
South Korea	-	10	-	-
Spain	-	10	-	-
Switzerland	-	50 (inhalable aerosol)	-	100 (inhalable aerosol)
USA - OSHA	-	15 (inhalable dust)	-	-
	-	5 (respirable dust)	-	-
United Kingdom	-	10	-	-

(Source: Based on GESTIS International Limit values Database via: https://limitvalue.ifa.dguv.de/WebForm_ueliste2.aspx, as on date: 17-05-2021)

Biological limit values : Not known

Appropriate engineering controls : Proper plant design, technical measures and working operations should minimize human exposure

Individual protection measures, such as personal protective equipment (PPE) : Eye/face protection: Safety goggles
Skin protection: Apron, rubber gloves and shoes
Respiratory protection : None required when adequate ventilation is available

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state : Clear to slightly turbid liquid

Colour : Colourless to pale yellow

Odour : Fatty

Odour threshold : No data available

pH (as such) : 10.0 - 11.0 at 25°C

Freezing point : ≤ 9°C

Initial boiling point and boiling range : > 100°C at 760 mmHg (foam/overflow)
(Based on water content)

§Flash point : Not applicable (aqueous product)

Evaporation rate : No data available

Flammability (solid, gas) : Non - flammable

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Upper/lower flammability or explosive limits	: Not applicable
Vapour pressure	: No data available
Vapour density	: No data available
Relative density	: 1.0400 - 1.0800 at 25°C
Solubility(ies)	: Soluble in water
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Viscosity (Brookfield, LVT, #3, 20 rpm)	: 3500 cP maximum, at 25°C

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
Possibility of hazardous reactions	: Not anticipated when used or handled as prescribed
Conditions to avoid	: Heat, flame and other sources of ignition
Incompatible materials	: Do not subject to strong acids, oxidizing and reducing agents
Hazardous decomposition products	: Will not form, if stored or handled as prescribed

11. TOXICOLOGICAL INFORMATION

Toxicological information of Sodium Lauroyl Glycinate

Acute oral toxicity (Rat)	: LD ₅₀ : > 2000 mg/kg bw (OECD Guideline 423) Read-across approach
Acute dermal toxicity (Rat)	: LD ₅₀ : > 2000 mg/kg bw (OECD Guideline 402 / EU Method B.3) Read-across approach
Acute inhalation toxicity	: No data available

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Skin corrosion/irritation

In-vitro study (EpiSkin reconstructed human epidermis model) : Not irritating
(OECD Guideline 439 / EU Method B.46)
Read-across approach

Rabbit : Not irritating
(OECD Guideline 404)
Read-across approach

Serious eye damage/irritation

Rabbit : Irritating
(OECD Guideline 405)
Read-across approach

In-vitro study : Very severe irritant
(OECD Guideline 437)
Read-across approach

Respiratory or skin sensitization (Guinea pig) : Not sensitizing
(OECD Guideline 406 / EU Method B.6)
Read-across approach

Germ cell mutagenicity

Mammalian cell gene mutation assay (in-vitro) : Negative
(OECD Guideline 476 / EU Method B.17)
Read-across approach

Bacterial reverse mutation assay (in-vitro) : Negative
(OECD Guideline 471)
Read-across approach

Micronucleus assay (in-vivo) : Negative
(Equivalent or similar to OECD Guideline 474)
Read-across approach

Carcinogenicity : No data available

Reproductive toxicity : Not classified

Effects on fertility: oral (Rat):
NOAEL (P): 1000 mg/kg bw/day
NOAEL (F1): 250 mg/kg bw/day
(OECD Guideline 421)
Read-across approach

STOT-single exposure : Not classified

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STOT-repeated exposure	: Not classified Repeated dose toxicity: oral (Rat): NOAEL: 1000 mg/kg bw/day (OECD Guideline 407 / EU Method B.7/Japanese Guidelines for Screening Toxicity Testing of Chemicals) Read-across approach
Aspiration hazard	: Not classified
Toxicological information of Glycerin	
Acute oral toxicity (Mouse)	: LD ₅₀ : 23000 mg/kg bw
Acute dermal toxicity (Guinea pig)	: LD ₅₀ : 56750 mg/kg/bw
Acute inhalation toxicity (Rat) vapour	: LC ₅₀ (4 h): > 2.75 mg/l (based on nominal concentrations)
Skin corrosion/irritation (Rabbit)	: Not irritating
Serious eye damage/irritation (Rabbit)	: Not irritating (Draize method)
Respiratory or skin sensitization	: No data available
Germ cell mutagenicity	
In vitro mammalian chromosome aberration test	: Negative (Equivalent or similar to OECD Guideline 473)
Bacterial reverse mutation assay (in vitro)	: Negative (Equivalent or similar to OECD Guideline 471)
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified Developmental toxicity/maternal toxicity (Rabbit) NOAEL: 1180 mg/kg bw/day Developmental toxicity/maternal toxicity (Rat) NOAEL: 1310 mg/kg bw/day Developmental toxicity/maternal toxicity (Mouse) NOAEL: 1280 mg/kg bw/day
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified Repeated dose toxicity: Oral (Rat): NOAEL: 8000-10000 mg/kg bw Repeated dose toxicity: Dermal (Rabbit): NOEL: 5040 mg/kg day Repeated dose toxicity: Inhalation (Rat): NOAEL: 167 mg/m ³ air
Aspiration hazard	: Not classified

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Information on the likely routes of exposure : Dermal and oral

Symptoms related to the physical, chemical and toxicological characteristics : Eye contact: Causes serious eye irritation

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

Ecological information of Sodium Lauroyl Glycinate

Short-term toxicity to fish : Danio rerio
LC₀ (96 h): 29.8 mg/l
NOEC (96 h): 29.8 mg/l
(OECD Guideline 203)
Read-across approach

Long-term toxicity to fish : No data available

Short-term toxicity to aquatic invertebrates : Daphnia magna
EC₅₀ (48 h): 2.8 mg/l
(OECD Guideline 202)
Read-across approach

Long-term toxicity to aquatic invertebrates : Daphnia magna
NOEC (21 d): 4 mg/l
(OECD Guideline 211)
Read-across approach

Toxicity to aquatic algae : Desmodesmus subspicatus
EC₅₀ (72 h): 61 mg/l (based on: growth rate)
NOEC (72 h): 21.9 mg/l (based on: growth rate)
(OECD Guideline 201)
Read-across approach

Persistence and degradability : Readily biodegradable; 83 - 86 % after 28 days (CO₂ evolution)
OECD Guideline 301 B (Ready Biodegradability: CO₂ Evolution Test)
Read-across approach

Bioaccumulative potential : Log P_{ow}: - 0.57 at 20°C (EU Method A.8), a low potential for bioaccumulation is expected (Estimated BCF value from EUSES: BCF fish: 1.4 l/kg wwt and BCF worm: 0.85 l/kg wwt)

Mobility in soil : K_{oc}: 1.6 l/kg (EUSES 2.1 QSAR), a low tendency to sorb to solids

Other adverse effects : Not known

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Ecological information of Glycerin

Short-term toxicity to fish	: Oncorhynchus mykiss LC ₅₀ (96 h): 54000 mg/l
Long-term toxicity to fish	: No data available
Short-term toxicity to aquatic invertebrates	: Daphnia magna LC ₅₀ (48 h): 1955 mg/l
Long-term toxicity to aquatic invertebrates	: No data available
Toxicity to aquatic algae	: Scenedesmus quadricauda EC3 (8 d): > 10000 mg/l
Persistence and degradability	: Readily biodegradable; 98.7% within 24 hours (DOC removal)
Bioaccumulative potential	: Log P _{ow} : - 1.75 (Equivalent or similar to OECD Guideline 107)
Mobility in soil	: No data available
Other adverse effects	: No data available

13. DISPOSAL CONSIDERATIONS

Disposal methods	: Dispose off contents/container in accordance with local/regional/national/international regulations
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14. TRANSPORT INFORMATION

Land transport

ADR/RID	: Not classified as dangerous goods as per transport regulation
UN Number	: Not applicable
UN proper shipping name	: Not applicable
Transport hazard class(es)	: Not applicable
Packing group	: Not applicable
Environmental hazards	: Not applicable

Inland water ways transport

ADN	: Not classified as dangerous goods as per transport regulation
UN Number	: Not applicable
UN proper shipping name	: Not applicable
Transport hazard class(es)	: Not applicable
Packing group	: Not applicable
Environmental hazards	: Not applicable
