

Safety Data Sheet as per Globally Harmonized System (GHS)

Galsoft SLL

Version No. 2 Date of revision: February 19, 2021

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

GHS Product identifier

Trade Name : Galsoft SLL

INCI Name : Sodium Lauroyl Lactylate

CAS Number : 13557-75-0

EC Number : 236-942-6

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
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:

Skin corrosion Category 1A H314: Causes severe skin burns and eye damage.

Eye damage Category 1 H318: Causes serious eye damage.

Acute aquatic toxicity Category 3 H402: Harmful to aquatic life.

GHS label elements, including precautionary statements

Hazard pictogram(s):



Signal word: Danger

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Hazard statement(s):

H314: Causes severe skin burns and eye damage.

H402: Harmful to aquatic life.

Precautionary statement(s):

P273: Avoid release to the environment.

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): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340: IF INHALED: Remove person 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. Continue rinsing.

P310: Immediately call a POISON CENTER or doctor/physician.

P363: Wash contaminated clothing before reuse.

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

Chemical identity of the substance : Sodium Lauroyl Lactylate

Common name(s), Synonym(s) : Sodium 2-(1-carboxylatoethoxy)-1-methyl-2-oxoethyl laurate

CAS Number : 13557-75-0

EC Number : 236-942-6

Concentration : ~100%

Impurities and stabilizing additives which are themselves classified and which contribute to the classification of the substance : Not known

4. FIRST- AID MEASURES

Description of necessary first-aid measures

Inhalation : Remove to fresh air

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Skin contact	: Wash with soap and 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 water. If feeling unwell, after accidental swallowing, consult the doctor

§Most important symptoms/effects, acute and delayed

Skin contact	: Causes burns
Eye contact	: Risk of serious damage to eyes

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

Treatment	: Treat symptomatically
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5. FIRE- FIGHTING MEASURES

Suitable extinguishing media	: Dry chemical powder, carbon dioxide, foam, water spray
Unsuitable extinguishing media	: High volume water jet, which may spread fire
Specific hazards arising from the chemical	: Development of hazardous combustion products like oxides of carbon or vapours 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, surface water or ground water
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

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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 20-40°C away from direct heat, sunlight and moisture. Keep the containers tightly closed. Product solidifies, if stored at < 10°C. Solidification is also possible during prolonged storage at temperature 27-30°C. If it gets solidified, then keep the carboys/jerrycans in hot room of temperature 40-50°C to bring back the material to liquid state. Entire mass has to be made homogeneous before use. Once carboy/jerrycans is opened, consume the product within a week. Prolonged exposure for days at temperatures above 45°C can lead to colour deterioration. In original sealed condition, when stored as suggested, shelf life of the product is one year Stacking of carboys: Palletized: 1+1, both while transport and during storage Non-palletized: 1+1 while transport (only in case of domestic/local dispatch) and no stacking during storage
Suitable packing materials	: HMHDPE carboys /Jerrycans, Stainless steel (SS 316 L)
Unsuitable packing materials	: Not known

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters	
Occupational exposure limits	: Not known
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 viscous liquid to soft waxy solid

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Colour	: Pale to dark yellow
Odour	: Fatty
Odour threshold	: No data available
pH (10% of 50:50 Isopropyl Alcohol (IPA) / Water)	: 4.5 - 6.5 at 25°C
Freezing point	: < 10°C
Initial boiling point and boiling range	: > 170°C
Flash point	: > 150°C
Evaporation rate	: No data available
Flammability (solid, gas)	: No data available
Upper/lower flammability or explosive limits	: No data available
Vapour pressure	: No data available
Vapour density	: No data available
Relative density	: 1.0500 - 1.0900 at 25°C
Solubility(ies)	: Solubility in water: 10 - 12%, soluble in methanol and isopropyl alcohol
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity (Brookfield, RVDV-1M, #4, rpm - 2.5, 4, 5)	: 20,000 - 21,000 cP at 30°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	: Sunlight, heat, flame and other sources of ignition
Incompatible materials	: Do not subject to strong oxidizing agents and reducing agents
Hazardous decomposition products	: Will not form, if stored or handled as prescribed

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§11. TOXICOLOGICAL INFORMATION

Acute oral toxicity (Rat)	: LD ₅₀ : > 5000 mg/kg bw Read-across approach
Acute dermal toxicity	: No data available
Acute inhalation toxicity	: No data available
Skin corrosion/irritation	: Irritating (OECD Guideline 439) Corrosive (OECD Guideline 431)
Serious eye damage/irritation	: No data available (substance is classified as skin corrosion, leading to classification as serious eye damage)
Respiratory or skin sensitization	: No sensitization (OECD Guideline 442E) No sensitization (OECD Guideline 442D)
Germ cell mutagenicity	
Bacterial reverse mutation assay (in vitro)	: Negative (OECD Guideline 471/ EU Method B.13/14/ EPA OPPTS 870.5265)
In vitro mammalian chromosome aberration test	: Negative (OECD Guideline 473)
In vitro Mammalian Cell Gene Mutation Test	: Negative (OECD Guideline 476) Read-across approach
Carcinogenicity	: No data available
Reproductive toxicity	: Not classified Read-across approach
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified Repeated dose toxicity: Oral (Rat): NOAEL: equivalent to 2214 mg/kg/day for males and 2641 mg/kg/day for females (OECD Guideline 452) Read-across approach
Aspiration hazard	: Not classified

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Information on the likely routes of exposure : Dermal, oral and inhalation

Symptoms related to the physical, chemical and toxicological characteristics : Skin contact: Causes burns
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: No data available
Long term exposure: No data available

12. ECOLOGICAL INFORMATION

Toxicity

Short-term toxicity to fish : Danio rerio
LC₅₀ (96 h): > 0.439 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): 44.4 mg/l
(OECD Guideline 202)

Long-term toxicity to aquatic invertebrates : No data available

Toxicity to aquatic algae : Pseudokirchneriella subcapitata
EC₅₀ (72 h): > 14.4 mg/l (based on growth rate)
NOEC (72 h): 6.01 mg/l (based on growth rate)
(OECD Guideline 201)
Read-across approach

Persistence and degradability : Readily biodegradable
(QSAR model BIOWIN v4.10)

Bioaccumulative potential : Log P_{ow}: ca. 0.2 at 20°C
(OECD Guideline 107/EU Method A.8)

Mobility in soil : Adsorption coefficient K_{oc}: 205.6 L/kg
(QSAR calculation, KOCWIN v2.00)

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):

UN Number : 3265
UN proper shipping name : CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
(Alkanoyl Lactyl Lactate Salt)
Transport hazard class(es) : 8
Packing group : I
Environmental hazards : No

Inland water ways transport (ADN):

UN Number : 3265
UN proper shipping name : CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
(Alkanoyl Lactyl Lactate Salt)
Transport hazard class(es) : 8
Packing group : I
Environmental hazards : No

Sea transport (IMDG code):

UN Number : 3265
UN proper shipping name : CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
(Alkanoyl Lactyl Lactate Salt)
Transport hazard class(es) : 8
Packing group : I
Marine pollutant : No

Air transport (ICAO-TI/IATA-DGR):

UN Number : 3265
UN proper shipping name : CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S.
(Alkanoyl Lactyl Lactate Salt)
Transport hazard class(es) : 8
Packing group : I
Environmental hazards : No

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

International Inventories:



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USA TSCA	Not TSCA listed
Australia	Listed on AICS
Taiwan	Listed on TSCI
China	Listed on IECSC
European Union	Listed on EINECS
New Zealand	Listed on NZIoC

16. OTHER INFORMATION

Revision Number : GHS / Revision 1
Indication of changes : Indicated with symbol '\$'
Legend/acronym : GHS - Globally Harmonized System
STOT - Specific Target Organ Toxicity
Source of information : In-house and literature

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