

Safety Data Sheet as per Globally Harmonized System (GHS)

Galsoft NaLS

Version No. 4 Revised on: May 06, 2021

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

GHS Product identifier

Trade Name	: Galsoft NaLS
Chemical identity of ingredients that contribute to classification	: Sodium Lauroyl Sarcosinate; Methylchloroisothiazolinone and Methylisothiazolinone
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 Chemicals (Egypt) S.A.E P.O. Box No.106, Plot No.9, Block M The Public Free Zone, Attaka, Suez-43527, Egypt Tel: +2 062 3391900 Fax: +2 062 3230329 Email: galaxyegypt@galaxysurfactants.com Website: www.galaxysurfactants.com
§Emergency phone number (Language: English)	: For product information: + 201202228297 / + 201202228274 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 irritation Category 2; H315

Skin sensitization Category 1; H317

Eye damage Category 1; H318

Acute inhalation toxicity Category 4; H332

Acute aquatic toxicity Category 3; H402

GHS label elements, including precautionary statements

Hazard pictogram:



Signal word: Danger

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Hazard statement(s):

- H315: Causes skin irritation.
 H317: May cause an allergic skin reaction.
 H318: Causes serious eye damage.
 H332: Harmful if inhaled.
 H402: Harmful to aquatic life.

Precautionary statement(s):

- P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
 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.
 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.
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
 P362+P364: Take off contaminated clothing and wash it 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

INCI/Chemical name	Synonyms	CAS Number	EC Number	% Concentration
Sodium Lauroyl Sarcosinate	Sodium N-lauroylsarcosinate; Sodium [dodecanoyl(methyl)amino]acetate	137-16-6	205-281-5	≤ 33.0
Methylchloroisothiazolinone and Methylisothiazolinone	5-chloro-2-methyl-4-isothiazolin-3-one and 2-methyl-4-isothiazolin-3-one; 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one	26172-55-4 and 2682-20-4	247-500-7 and 220-239-6	≤ 0.0015

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4. FIRST- AID MEASURES

Description of necessary first-aid measures

Inhalation	: Remove to fresh air. Seek medical advice, 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 five minutes, then continue flushing eyes for 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	
Inhalation	: Harmful if inhaled
Skin contact	: Causes skin irritation. May cause an allergic skin reaction
Eye contact	: Causes serious eye damage
Indication of immediate medical attention and special treatment needed, if necessary	
Treatment	: Treat symptomatically

5. FIRE- FIGHTING MEASURES

Suitable extinguishing media	: Dry chemical powder, foam, carbon dioxide, water
Unsuitable extinguishing media	: Not known
Specific hazards arising from the chemical	: Development of hazardous combustion gases 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 eyes, skin 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.

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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. Avoid inhalation. 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 at 25-35°C in a clean and dry place away from direct heat and sunlight. Keep the containers tightly closed. In original sealed condition, when stored as suggested, shelf life of the product is one year. Once the carboy/IBC is opened, ensure airtight closure after usage and use the product within a week. Product solidifies if stored at ≤ - 3°C. If the product freezes in IBC/HMHDPE carboys, then keep the same in hot room of 30-40°C (avoid direct heating). Homogenize the product before use.
Stacking of carboys: Non-palletized: 1+1 while transport and during storage, single carboy
Palletized: 1+1 while transport and during storage single pallet on ground or in a rack
Stacking of IBC: 1+1 while transport as well as during storage

Suitable packing materials

: HMHDPE carboys / IBC

Unsuitable packing materials

: Not known

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational exposure limits for Kathon - mixture (3:1) (Methylchloroisothiazolinone and Methylisothiazolinone (CAS Number: 26172-55-4 and 2682-20-4; EC Number: 247-500-7 and 220-239-6)

Country	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m ³	ppm	mg/m ³
Austria	-	0.05	-	-
Germany (DFG)	-	0.2 (Inhalable fraction)	-	0.4 (Inhalable fraction) (15 minutes average value)
Switzerland	-	0.2 (Inhalable fraction)	-	0.4 (Inhalable fraction)

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(Source: Based on GESTIS International Limit values Database via:
http://limitvalue.ifa.dguv.de/WebForm_ueliste2.aspx, as on date: 06.05.2021)

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, shoes Respiratory protection : Suitable mask

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical state	: Clear liquid
Colour	: Colourless to light pale yellow
Odour	: Fatty
Odour threshold	: No data available
pH (10 % aqueous solution)	: 7.5 - 8.5
Freezing point	: - 3 to - 4°C
Initial boiling point and boiling range	: 100°C (foam/overflow) (Based on water content)
§Flash point	: Not applicable (aqueous product)
Evaporation rate	: No data available
Flammability (solid, gas)	: Not flammable
Upper/lower flammability or explosive limits	: Not applicable
Vapour pressure	: No data available
Vapour density	: No data available
Relative density	: 1.0215 - 1.0265 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, #2, 60 rpm)	: < 100 cP at 25°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
Possibility of hazardous reactions	: Not anticipated when used or handled as prescribed
Conditions to avoid	: Heat, flame and other sources of ignition
Incompatible materials	: Highly acidic, alkaline materials and oxidizing agents
Hazardous decomposition products	: Will not form, if stored or handled as prescribed

§11. TOXICOLOGICAL INFORMATION

Toxicological information of Sodium Lauroyl Sarcosinate

Acute oral toxicity (Rat)	: LD ₅₀ : > 5000 mg/kg bw (OECD Guideline 401)
Acute dermal toxicity	: No data available
Acute inhalation toxicity (Rat)	: LC ₅₀ (4 h): > 1 - ≤ 5 mg/l air (OECD Guideline 403/EU Method B.2/EPA OPPTS 870.1300)
Skin corrosion/irritation	: Irritating
Serious eye damage/irritation (Rabbit)	: Irritating (OECD Guideline 405/EU Method B.5)
Respiratory or skin sensitization (Guinea pig)	: Not sensitizing (EU method B.6)
Germ cell mutagenicity	
Mammalian cell gene mutation assay (in-vitro)	: Negative (OECD Guideline 476/EU Method B.17)
In vitro mammalian chromosome aberration test	: Negative (OECD Guideline 473/EU Method B.10)
Bacterial reverse mutation assay (in-vitro)	: Negative (Equivalent or similar to OECD Guideline 471)
Carcinogenicity	: Not expected to be carcinogenic

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Reproductive toxicity	: Not classified Maternal toxicity (Rat): NOAEL: 30 mg/kg bw/day Developmental toxicity (Rat): NOEL: \geq 250 mg/kg bw/day (OECD Guideline 414/EPA OPPTS 870.3700)
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified Repeated dose toxicity: oral (Rat): NOEL: 30 mg/kg bw/day NOAEL: 250 mg/kg bw/day (OECD Guideline 408)
Aspiration hazard	: Not classified
Toxicological information of Methylchloroisoithiazolinone and Methylisothiazolinone	
Acute oral toxicity (Rat)	: LD ₅₀ : 2630 mg/kg (female) LD ₅₀ : 3350 mg/kg (male)
Acute dermal toxicity (Rabbit)	: LD ₅₀ : > 5000 mg/kg
Acute inhalation toxicity (Rat)	: LC ₅₀ (4 h): 0.33 mg/l (active ingredient)
Skin corrosion/irritation (Rabbit)	: Corrosive
Serious eye damage/irritation (Rabbit)	: Corrosive
Respiratory or skin sensitization (Guinea pig)	: Causes sensitization
Germ cell mutagenicity	: Non-mutagenic (active ingredient)
Carcinogenicity	: Non-carcinogenic in both a mouse dermal and rat oral carcinogenicity study (active ingredient)
Reproductive toxicity	: Product is not a reproductive hazard (active ingredient) Did not show teratogenic effects in animal experiments (active ingredient)
STOT-single exposure	: No data available
STOT-repeated exposure	: No data available
Aspiration hazard	: No data available
Information on the likely routes of exposure	: Inhalation, dermal and oral
§Symptoms related to the physical, chemical and toxicological characteristics	: Inhalation: Harmful if inhaled Skin contact: Causes skin irritation. May cause an allergic skin reaction Eye contact: Causes serious eye damage

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Delayed and immediate effects and also chronic : Short term exposure: No data available
effects from short and long term exposure Long term exposure: No data available

12. ECOLOGICAL INFORMATION

Ecological information of Sodium Lauroyl Sarcosinate

Short-term toxicity to fish	: Danio rerio LC ₅₀ (96 h): 107 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): 29.7 mg/l (OECD Guideline 202)
Long-term toxicity to aquatic invertebrates	: No data available
Toxicity to aquatic algae	: Desmodesmus subspicatus EC ₅₀ (72 h): 79 mg/l (based on growth rate) EC ₅₀ (72 h): 39 mg/l (based on yield) NOEC (72 h): 9.2 mg/l (based on growth rate) (OECD Guideline 201/EU Method C.3)
Persistence and degradability	: Readily biodegradable; 82% after 28 days (CO ₂ evolution) (ISO Guideline No 14593)
Bioaccumulative potential	: Log P _{ow} : 0.37 (QSAR method)
Mobility in soil	: No data available
Other adverse effects	: No data available

Ecological information of Methylchloroisothiazolinone and Methylisothiazolinone

Short-term toxicity to fish	: Oncorhynchus mykiss LC ₅₀ (96 h): 0.19 mg/l (active ingredient) (Equivalent or similar to OECD Guideline 203) Lepomis macrochirus LC ₅₀ (96 h): 0.28 mg/l (active ingredient) (Equivalent or similar to OECD Guideline 203)
Long-term toxicity to fish	: No data available
Short-term toxicity to aquatic invertebrates	: Daphnia magna EC ₅₀ (48 h): 0.16 mg/l (active ingredient) (FIFRA 77-2)

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	Daphnia magna EC ₅₀ (48 h): 0.126 mg/l (Equivalent or similar to OECD Guideline 202)
Long-term toxicity to aquatic invertebrates	: No data available
Toxicity to aquatic algae	: Pseudokirchneriella subcapitata EC ₅₀ (72 h): 0.003 mg/l (active ingredient) (OECD Guideline 201)
	Selenastrum capricornutum ErC ₅₀ (72 h): 0.003 mg/l (active ingredient) (OECD Guideline 201)
Persistence and degradability	: Not readily biodegraded 0.3%; 10-day Window: Fail (Equivalent or similar to OECD Guideline 301B)
Bioaccumulative potential	: No data available
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

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Sea transport

IMDG code	: 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
Marine pollutant	: Not applicable

Air transport

ICAO-TI/IATA-DGR	: 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

§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
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16. OTHER INFORMATION

Revision Number	: GHS / Revision 3
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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