

## Safety Data Sheet as per Globally Harmonized System (GHS)

### Galsoft NaLS (PF)

Version No. 4      Revised on: September 16, 2021

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

GHS Product identifier

Trade Name : Galsoft NaLS (PF)

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

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](mailto:galaxyegypt@galaxysurfactants.com)  
Website: [www.galaxysurfactants.com](http://www.galaxysurfactants.com)

Emergency phone number : For product information: + 201202228297 / + 201202228274  
(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 irritation Category 2; H315

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.

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.

P264: Wash hands thoroughly after handling

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+P354+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P317: Get medical help

P332+P317: If skin irritation occurs: Get medical help.

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          |

### 4. FIRST- AID MEASURES

Description of necessary first-aid measures

Inhalation : Remove to fresh air. Seek medical advice, if necessary

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|  |   |
|--|---|
| 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  |
| 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.<br>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 before and 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. Use the product completely once the carboy/ IBC is opened. Product solidifies if stored at $\leq - 3^{\circ}\text{C}$ . 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.<br>Stacking of carboys: Non-palletized: 1+1 while transport and during storage, single carboy<br>Palletized: 1+1 while transport and during storage single pallet on ground or in a rack<br>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  | : 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<br>Skin protection: Apron, rubber gloves, shoes<br>Respiratory protection : Suitable mask |

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

|                |                                   |
|----------------|-----------------------------------|
| Appearance     |                                   |
| Physical state | : Clear liquid                    |
| Colour         | : Colourless to light pale yellow |

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|  |   |
|--|---|
| 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)<br>(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       | : Log P <sub>ow</sub> : 0.37 (QSAR method)          |
| Auto-ignition temperature                    | : Not applicable                                    |
| Decomposition temperature                    | : No data available                                 |
| Viscosity (Brookfield, LVT, #2, 60 rpm)      | : < 100 cP 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             | : Highly acidic, alkaline materials and oxidizing agents  |
| Hazardous decomposition products   | : Will not form, if stored or handled as prescribed   |

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#### 11. TOXICOLOGICAL INFORMATION

##### Toxicological information of Sodium Lauroyl Sarcosinate

|  |  |
|--|--|
| Acute oral toxicity (Rat)                      | : LD <sub>50</sub> : > 5000 mg/kg bw<br>(OECD Guideline 401)   |
| Acute dermal toxicity                          | : No data available  |
| Acute inhalation toxicity (Rat)                | : LC <sub>50</sub> (4 h): > 1 - ≤ 5 mg/l air<br>(OECD Guideline 403/EU Method B.2/EPA OPPTS 870.1300)  |
| Skin corrosion/irritation                      | : Irritating   |
| Serious eye damage/irritation (Rabbit)         | : Irritating<br>(OECD Guideline 405/EU Method B.5)   |
| Respiratory or skin sensitization (Guinea pig) | : Not sensitizing<br>(EU method B.6)   |
| Germ cell mutagenicity                         |  |
| Mammalian cell gene mutation assay (in-vitro)  | : Negative<br>(OECD Guideline 476/EU Method B.17)  |
| In vitro mammalian chromosome aberration test  | : Negative<br>(OECD Guideline 473/EU Method B.10)  |
| Bacterial reverse mutation assay (in-vitro)    | : Negative<br>(Equivalent or similar to OECD Guideline 471)  |
| Carcinogenicity                                | : Not expected to be carcinogenic  |
| §Reproductive toxicity                         | : Not classified<br><br>Maternal toxicity (Rat): NOAEL: 30 mg/kg bw/day<br>Developmental toxicity (Rat): NOEL: ≥ 250 mg/kg bw/day<br>(OECD Guideline 414/EPA OPPTS 870.3700/ Japanese Ministry of Agriculture, Forestry and Fisheries Testing guidelines for Toxicology studies, 12 NohSa No 8147, 24 November 2000) |
| STOT-single exposure                           | : Not classified   |
| STOT-repeated exposure                         | : Not classified<br><br>Repeated dose toxicity: oral (Rat): NOEL: 30 mg/kg bw/day<br>NOAEL: 250 mg/kg bw/day<br>(OECD Guideline 408)   |
| Aspiration hazard                              | : Not classified   |
| Information on the likely routes of exposure   | : Inhalation, dermal and oral  |

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Symptoms related to the physical, chemical and toxicological characteristics : Inhalation: Harmful if inhaled  
Skin contact: Causes skin irritation  
Eye contact: Causes serious eye damage

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

### Ecological information of Sodium Lauroyl Sarcosinate

§Short-term toxicity to fish : Danio rerio  
LC<sub>50</sub> (96 h): 32.1 mg/l  
LC<sub>50</sub> (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<sub>50</sub> (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<sub>50</sub> (72 h): 79 mg/l (based on growth rate)  
EC<sub>50</sub> (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<sub>2</sub> evolution)  
(ISO Guideline No 14593)

§Bioaccumulative potential : Log P<sub>ow</sub>: 0.37  
(QSAR method; KOWWIN v1.67)

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

##### 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<br>STOT - Specific Target Organ Toxicity |
| Source of information | : In-house and literature   |

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