

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

### Galsoft SLI 80

Version No. 4      Date of revision: November 24, 2020

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

GHS Product identifier

Trade Name : Galsoft SLI 80

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

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](mailto:galaxy@galaxysurfactants.com)

Emergency phone number : For product information: +91-9867673376 / +91-9867613368  
 (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

Eye irritation Category 2A; H319

Acute aquatic toxicity Category 2; H401

Chronic aquatic toxicity Category 3; H412

#### GHS label elements, including precautionary statements

Hazard pictogram:



Signal word: Warning

Hazard statement(s):

H319: Causes serious eye irritation.

H401: Toxic to aquatic life.

H412: Harmful to aquatic life with long lasting effects.

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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 Isethionate	Sodium 2-sulphonatoethyl laurate; Sodium 2-(dodecanoyloxy)ethane-1-sulfonate	7381-01-3	230-949-8	≥ 78
BHT	2,6-di-tert-butyl-p-cresol; 2,6-di-tert-butyl-4-methylphenol	128-37-0	204-881-4	≤ 0.1

### 4. FIRST-AID MEASURES

#### Description of necessary first-aid measures

Inhalation	: Remove to fresh air. Seek medical attention, if necessary
Skin contact	: Wash with soap and water for at least 15 minutes. Seek medical advice, if necessary
Eye contact	: Flush with water for at least 15 minutes under running water with eyelids held open. Consult the doctor, if necessary
Ingestion	: Immediately rinse mouth and then drink water (two glasses at most). If feeling unwell after accidental swallowing, consult the doctor
Most important symptoms/effects, acute and delayed	
Eye contact	: Causes serious eye irritation

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Skin contact : Slightly irritant

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

Unsuitable extinguishing media : Do not use direct water stream, which may spread fire

Specific hazards arising from the chemical : Development of hazardous combustion products like oxides of carbon and sulfur 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 breathing dust. 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 : Collect in suitable and properly labeled container. Avoid dust formation. Dispose off collected material in accordance with regulations

#### 7. HANDLING AND STORAGE

Precautions for safe handling : Follow general occupational hygiene such as, wash hands after use. Remove contaminated clothing. Avoid spill. 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 hopper. Use proper dust collection system to avoid particle contamination in the production area. Follow safe procedures for loading and un-loading of product

§Conditions for safe storage, including any incompatibilities : Store in a clean and dry place at below 45°C away from direct heat and sunlight. Keep bags tightly closed. In original sealed condition, when stored as suggested the shelf life of the product is two years. Once bag is opened, consume the product

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within a week. Soft, easily breakable agglomerates may form on storage.

Stacking of Paper bag:

Non-palletized: maximum 8 bags, both while transport and during storage

Palletized: single stack, both while transport and during storage on ground or in a rack

Stacking of Jumbo bag (with wooden crate): palletized: 1+1, both while transport and during storage

Suitable packing materials : Paper bag with HDPE liner / Jumbo bag

Unsuitable packing materials : Not known

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

§Occupational exposure limits

### Occupational exposure limits for BHT (CAS Number: 128-37-0; EC Number: 204-881-4)

Country	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Australia	-	10	-	-
Austria	-	10	-	-
Belgium	-	2 (Inhalable fraction and vapour)	-	-
Canada - Ontario	-	2 (Inhalable aerosol and vapour)	-	-
Canada - Quebec	-	-	-	10 (15 minutes average value)
Denmark	-	10	-	20
Finland	-	10	-	20 (15 minutes average value)
France	-	10 (15 minutes average value)	-	-
Germany (AGS)	-	10 (Inhalable aerosol and vapour)	-	40 (Inhalable aerosol and vapour) (15 minutes reference period)
Germany (DFG)	-	10 (Inhalable fraction and vapour) (15 minutes average value)	-	40 (Inhalable fraction and vapour) (15 minutes average value)
Ireland	-	2	-	-
New Zealand	-	10	-	-
Singapore	-	10	-	-

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South Korea	-	2	-	-
Spain	-	10	-	-
Switzerland	-	10 (Inhalable aerosol)	-	-
USA - NIOSH	-	10	-	-
United Kingdom	-	10	-	-

(Source: Based on GESTIS International Limit values Database via:  
[http://limitvalue.ifa.dguv.de/WebForm\\_ueliste2.aspx](http://limitvalue.ifa.dguv.de/WebForm_ueliste2.aspx), as on date: 24.11.2020)

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 : Dust mask required when dust is generated

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	
Physical state	: Needles
Colour	: White to off-white
Odour	: Fatty
Odour threshold	: No data available
pH (5% in Distilled Water)	: 4.0 - 6.5 at 27°C
Melting point	: 36°C at 101.3 kPa (EU Method A.1/OECD Guideline 102/EPA OPPTS 830.7200) (data of Sodium Lauroyl Isethionate)
Initial boiling point and boiling range	: Product decomposes
Flash point	: Not applicable
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
Bulk density	: 580 - 640 g/l

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Solubility(ies)	: Insoluble in water (5% solution is milky at room temperature)
Partition coefficient: n-octanol/water	: Log P <sub>ow</sub> : 0.3 at 20°C (EU Method A.8/OECD Guideline 107/EPA OPPTS 830.7550) Log P <sub>ow</sub> : ca. 0.6 (REACH guidance on QSARs R.6 May 2008) (data of Sodium Lauroyl Isethionate)
Auto-ignition temperature	: Not a self-heating product (UN ST/SG/AC.10/11/Rev.5: Recommendations on the Transport of Dangerous Goods, Manual of Tests and Criteria, Part III Section 33-33.3.1.6 "Test N.4: Test method for self-heating substances" (2009)) (data of Sodium Lauroyl Isethionate)
Decomposition temperature	: > 275°C (EU Method A.2/OECD Guideline 103/EPA OPPTS 830.7220) (data of Sodium Lauroyl Isethionate)
Viscosity	: Not applicable

### 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	: Moisture, sunlight, heat, flame and other sources of ignition
Incompatible materials	: Do not subject to acids, alkali and oxidizing agents
Hazardous decomposition products	: Will not form, if stored or handled as prescribed

### 11. TOXICOLOGICAL INFORMATION

#### Toxicological information of Sodium Lauroyl Isethionate

Acute oral toxicity (Rat)	: LD <sub>50</sub> : > 2000 mg/kg bw (OECD Guideline 401) Read-across approach
Acute dermal toxicity	: No data available

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Acute inhalation toxicity	: No data available
Skin corrosion/irritation (Rabbit)	: Not classified. Slightly irritant (Equivalent or similar to OECD Guideline 404) Read-across approach
Serious eye damage/irritation (Rabbit)	: Irritating (OECD Guideline 405) Read-across approach
Respiratory or skin sensitization (Guinea pig)	: Not sensitizing (Equivalent or similar to OECD Guideline 406) Read-across approach
Germ cell mutagenicity	
In vitro mammalian chromosome aberration test	: Negative (Equivalent or similar to OECD Guideline 473) Read-across approach
Bacterial reverse mutation assay (in vitro)	: Negative (Equivalent or similar to OECD Guideline 471) Read-across approach
Mammalian cell gene mutation assay (in vitro)	: Negative (OECD Guideline 476) Read-across approach
In vitro mammalian cell micronucleus test	: Negative (OECD 487 (draft guideline)) Read-across approach
Carcinogenicity	: No data available
Reproductive toxicity	: Not classified  Toxicity to reproduction: oral (Rat): NOAEL/NOEL: 1000 mg/kg bw/day (OECD Guideline 421) Read-across approach  Developmental toxicity/maternal toxicity: oral (Rat): NOEL: 1000 mg/kg bw/day (OECD Guideline 414) Read-across approach
STOT-single exposure	: Not classified

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STOT-repeated exposure	: Not classified Repeated dose toxicity: oral (Rat): NOAEL: 200 mg/kg bw/day NOAEL: 426 mg/kg bw/day (Calculated as equimolar amount Coco Isethionate) (OECD Guideline 408) Read-across approach  Repeated dose toxicity: oral (Rat): NOAEL: ≥ 1000 mg/kg bw/day (Equivalent or similar to OECD Guideline 407) Read-across approach  Repeated dose toxicity: dermal (Rat): NOAEL: ≥ 2070 mg/kg bw/day (OECD Guideline 410) Read-across approach
Aspiration hazard	: Not classified
<b>Toxicological information of BHT</b>	
Acute oral toxicity (Rat)	: LD <sub>50</sub> : > 6000 mg/kg bw (male/female) (OECD Guideline 401)
Acute dermal toxicity (Rat)	: LD <sub>50</sub> : > 2000 mg/kg bw (male/female) (OECD Guideline 402)
§Acute inhalation toxicity (Mouse)	: RD <sub>50</sub> (30 min): about 546 mg/m <sup>3</sup> (Other: Sensory irritation study of BHT)
Skin corrosion/irritation (Rabbit)	: Not irritating (OECD Guideline 404)
Serious eye damage/irritation (Rabbit)	: Not irritating (OECD Guideline 405)
Respiratory or skin sensitization	: No sensitization
Germ cell mutagenicity	
Bacterial reverse mutation assay (in vitro)	: Negative
In-vitro mammalian chromosome aberration test	: Negative
Chromosome aberration (in vivo)	: Negative
Carcinogenicity	: Not classified

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Reproductive toxicity	: Not classified Maternal toxicity (Rat): NOAEL: 93.5 mg/kg bw/day Developmental toxicity (Rat): NOAEL: 375 mg/kg bw/day (Equivalent or similar to OECD Guideline 414)
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified
Information on the likely routes of exposure	: Dermal, inhalation and oral
Symptoms related to the physical, chemical and toxicological characteristics	: Eye contact: causes serious eye irritation Skin contact: slightly irritant
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 Isethionate

Short-term toxicity to fish	: Oncorhynchus mykiss LC <sub>50</sub> (96 h): > 25 mg/l (Equivalent or similar to OECD Guideline 203) Read-across approach
Long-term toxicity to fish	: Early-life stage: reproduction, (sub)lethal effects NOEC (32 d): ca. 0.4 mg/l (estimated) (REACH guidance on QSARs R.6 May 2008)  Pimephales promelas NOEC (32 d): ≥ 0.045 mg/l (measured dissolved concentration) (based on mortality) NOEC (32 d): ≥ 0.11 mg/l (measured total concentration) (based on mortality) (OECD Guideline 210) Read-across approach
Short-term toxicity to aquatic invertebrates	: Daphnia magna EC <sub>50</sub> : 229.7 mg/l (estimated) (REACH guidance on QSARs R.6 May 2008)
Long-term toxicity to aquatic invertebrates	: Daphnia magna NOEC (21 d): 1.1 mg/l (estimated) (REACH guidance on QSARs R.6 May 2008)

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Toxicity to aquatic algae	: Pseudokirchnerella subcapitata EC <sub>50</sub> (72 h): ≥ 7.9 mg/l (measured total concentration) (based on growth rate) EC <sub>50</sub> (72 h): ≥ 4.8 mg/l (measured dissolved concentration) (based on growth rate) NOEC (72 h): ≥ 0.37 mg/l (measured total concentration) (based on growth rate and biomass) NOEC (72 h): ≥ 0.31 mg/l (measured dissolved concentration) (based on growth rate and biomass) (OECD Guideline 201) Read-across approach
Persistence and degradability	: Readily biodegradable; 94.1% after 28 days (DOC removal) (OECD Guideline 301 E) Read-across approach
Bioaccumulative potential	: Estimated BCF: 70.8 (calculated using the BCFBAF 3.01 submodule of Epiwin 4.1), indicates a low bioaccumulation potential
Mobility in soil	: Adsorption coefficient K <sub>oc</sub> : ca. 1451 (OECD Guideline 106 / Equivalent or similar to EPA OPPTS 835.1110)
Other adverse effects	: Not known
<b>Ecological information of BHT</b>	
Short-term toxicity to fish	: LC <sub>50</sub> (96 h): 0.199 mg/l (QSAR method)
Long-term toxicity to fish	: Oryzias latipes NOEC (30 d): 0.053 mg/l (OECD Guideline 210)
Short-term toxicity to aquatic invertebrates	: Daphnia magna EC <sub>50</sub> (48 h): 0.48 mg/l (OECD Guideline 202 / EU Method C.2)
Long-term toxicity to aquatic invertebrates	: Daphnia magna NOEC (21 d): 0.069 mg/l (OECD Guideline 211)
Toxicity to aquatic algae	: EC <sub>50</sub> (96 h): 0.758 mg/l (QSAR method)  Pseudokirchneriella subcapitata EC <sub>50</sub> (72 h): > 0.24 mg/l (based on growth rate) NOEC (72 h): 0.24 mg/l (based on growth rate) (OECD Guideline 201)

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Persistence and degradability	: Not readily biodegradable; 4.5% BOD/ThOD after 28 d (Equivalent or similar to OECD Guideline 301 C)
Bioaccumulative potential	: BCF: 598.4 (EPI-Suite, BCFWIN v2.17)
Mobility in soil	: Adsorption coefficient: $K_{oc}$ : 23030 (EPI-Suite, EPA (USA) / PCKOCWIN v1.66)  Adsorption coefficient: $K_{oc}$ : 14750 (QSAR estimation: KOCWIN v2.00: Koc estimate from MCI) BHT is expected to adsorb to the solid soil phase
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

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#### 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

#### 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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