

Safety Data Sheet as per Globally Harmonized System (GHS)

Galsoft SCI 85 (G)

Version No. 2 Date of revision: January 10, 2019

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

GHS Product identifier

Trade Name	: Galsoft SCI 85 (G)
INCI Name	: Sodium Cocoyl Isethionate
CAS Number	: 61789-32-0
EC Number	: 263-052-5
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 Fax: + 91-22-27615886 / +91-22-27615883 e-mail: galaxy@galaxysurfactants.com
§Emergency phone number (Language: English)	: +91-9867673376 +91-9867613368

§2. HAZARD IDENTIFICATION

Classification of the substance or mixture:

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

Safety Data Sheet as per Globally Harmonized System (GHS)

Galsoft SCI 85 (G)

Version No. 2 Date of revision: January 10, 2019

Hazard statement(s)

H319: Causes serious eye irritation.

H401: Toxic to aquatic life.

H412: Harmful to aquatic life with long lasting effects.

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 Cocoyl Isethionate	Sodium 2-(cocoyloxy)ethanesulfonate; Fatty acids, coco, 2-sulfoethyl esters, sodium salts;	61789-32-0	263-052-5	≥ 85
BHT	2,6-di-tert-butyl-p-cresol; 2,6-di-tert-butyl-4-methylphenol	128-37-0	204-881-4	0.07

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

Safety Data Sheet as per Globally Harmonized System (GHS)

Galsoft SCI 85 (G)

Version No. 2 Date of revision: January 10, 2019

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	
Skin contact	: Slightly irritant
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	: Dry chemical powder, carbon dioxide, Water spray, foam
Unsuitable extinguishing media	: Do not use high volume water jet, 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. Do not use hooks for handling bags. Multiple handling may lead to the formation of fine powder which may cause dusting during usage. Use personal protective equipment while charging the material. To avoid dusting, keep minimum distance between bag and the hopper. Use proper dust collection system to avoid
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Safety Data Sheet as per Globally Harmonized System (GHS)

Galsoft SCI 85 (G)

Version No. 2 Date of revision: January 10, 2019

- particle contamination in the production area. 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 15-35°C away from direct heat and sunlight. Keep the bags tightly closed. Soft, easily breakable agglomerates may be formed on storage. Once the bag is opened, consume the product within a week. In original sealed condition, when stored as suggested the shelf life of the product is two years. Product will not deteriorate if stored at 45°C. Product may be hydrolyzed in highly alkaline and acidic condition.
Stacking of paper bags: Non-palletized - maximum 8 bags during transport as well as during storage
Palletized - 1+1 during transport and during storage single pallet on ground or in rack
Stacking of Jumbo bag (with crate): 1+1, both while transport as well as during storage
- §Suitable packing materials : Paper bags 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 ³	ppm	mg/m ³
Australia	-	10	-	-
Austria	-	10	-	-
Belgium	-	2	-	-
Canada - Ontario	-	2 (Inhalable aerosol and vapour)	-	-
Canada - Quebec	-	10	-	-
Denmark	-	10	-	20
Finland	-	10	-	20 (15 minutes average value)
France	-	10	-	-
Germany (AGS)	-	10 (Inhalable aerosol and vapour)	-	40 (Inhalable aerosol and vapour) (15 minutes reference period)
Germany (DFG)	-	10 (Inhalable fraction and	-	40 (Inhalable fraction and

Safety Data Sheet as per Globally Harmonized System (GHS)

Galsoft SCI 85 (G)

Version No. 2 Date of revision: January 10, 2019

		vapour) (15 minutes reference period)		vapour) (15 minutes reference period)
Ireland	-	10	-	-
New Zealand	-	10	-	-
Singapore	-	10	-	-
South Korea	-	2	-	-
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, as on date: 10.01.2019)

Biological limit values : No data available

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 : Granules

Colour : Off-white to pale yellow

Odour : Fatty

Odour threshold : No data available

§pH (5% in distilled water) : 5.0 - 7.0 at 25°C

Melting point : ≥ 200°C

§Initial boiling point and boiling range : > 300°C (foam/overflow)

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

Safety Data Sheet as per Globally Harmonized System (GHS)

Galsoft SCI 85 (G)

Version No. 2 Date of revision: January 10, 2019

Vapour density	: No data available
§Bulk density	: 500 - 650 g/l
§Solubility(ies)	: Moderately soluble in water (100 - 1000 mg/l) (5% solution is milky at room temperature)
Partition coefficient: n-octanol/water	: Log P _{ow} : - 0.41 at 20°C (calculated)
Auto-ignition temperature	: Did not show self-heating up to 400°C, indicates that substance does not have self-ignition temperature
Decomposition temperature	: No data available
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	: 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 Cocoyl Isethionate

§Acute oral toxicity (Rat)	: LD ₅₀ : > 2000 mg/kg bw (OECD Guideline 401)
Acute dermal toxicity	: No data available
Acute inhalation toxicity	: No data available
Skin corrosion/irritation (Rabbit)	: Not classified. Slightly irritant (Equivalent or similar to OECD Guideline 404)
Serious eye damage/irritation (Rabbit)	: Irritating (OECD Guideline 405)
Respiratory or skin sensitization (Guinea pig)	: Not sensitizing (EU Method B.6 / OECD Guideline 406)

Safety Data Sheet as per Globally Harmonized System (GHS)

Galsoft SCI 85 (G)

Version No. 2 Date of revision: January 10, 2019

Germ cell mutagenicity

Mammalian cell gene mutation assay (In vitro) : Negative
(OECD Guideline 476)

Bacterial reverse mutation assay (In vitro) : Negative
(Equivalent or similar to OECD Guideline 471)

In vitro mammalian chromosome aberration test : Negative
(Equivalent or similar to OECD Guideline 473)

Carcinogenicity : Not classified. Carcinogenicity not expected

Reproductive toxicity : Not classified

Toxicity to reproduction (Rat): NOAEL: 1000 mg/kg bw/day
(OECD Guideline 421)
Read-across approach

Developmental toxicity/maternal toxicity (Rat):
NOEL: 1000 mg/kg bw/day
(OECD Guideline 414)
Read-across approach

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Repeated dose toxicity: oral (Rat):
NOAEL: \geq 1000 mg/kg bw/day
(Equivalent or similar to OECD Guideline 407)

Repeated dose toxicity: dermal (Rat):
NOAEL: \geq 2070 mg/kg bw/day
(OECD Guideline 410)

Aspiration hazard : Not classified

§Toxicological information of BHT

Acute oral toxicity (Rat) : LD₅₀: > 6000 mg/kg bw (male/female)
(OECD Guideline 401)

Acute dermal toxicity (Rat) : LD₅₀: > 2000 mg/kg bw (male/female)
(OECD Guideline 402)

Acute inhalation toxicity (Mouse) : RD₅₀ (30 min): about 546 mg/m³
(Other: Sensory irritation study of BHT)

Skin corrosion/irritation (Rabbit) : Not irritating
(OECD Guideline 404)

Safety Data Sheet as per Globally Harmonized System (GHS)

Galsoft SCI 85 (G)

Version No. 2 Date of revision: January 10, 2019

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 assay (in vivo)	: Negative
Carcinogenicity	: Not classified
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	: Skin contact: Slightly irritant Eye contact: Causes 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 Cocoyl Isethionate

Short-term toxicity to fish	: Oncorhynchus mykiss LC ₅₀ (96 h): > 25 mg/l (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): > 32 mg/l NOEC (48 h): ≥ 32 mg/l (OECD Guideline 202)
Long-term toxicity to aquatic invertebrates	: No data available

Safety Data Sheet as per Globally Harmonized System (GHS)

Galsoft SCI 85 (G)

Version No. 2 Date of revision: January 10, 2019

Toxicity to aquatic algae	: Pseudokirchnerella subcapitata EC ₅₀ (72 h): ≥ 1.87 mg/l NOEC (72 h): ≥ 0.31 mg/l (OECD Guideline 201) Read-across approach
Persistency and degradability	: Readily biodegradable; 78 % after 28 days (O ₂ consumption) OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
Bioaccumulative potential	: Log P _{ow} : - 0.41, a low potential for bioaccumulation is expected
Mobility in soil	: Adsorption co-efficient: K _{oc} : 1451 l/kg (OECD Guideline 106 / Equivalent or similar to EPA OPPTS 835.1110 (Activated Sludge Sorption Isotherm)) Read-across approach
Other adverse effects	: No data available

§Ecological information of BHT

Short-term toxicity to fish	: LC ₅₀ (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 ₅₀ (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 ₅₀ (96 h): 0.758 mg/l (QSAR method) Pseudokirchneriella subcapitata EC ₅₀ (72 h): > 0.24 mg/l (based on growth rate) NOEC (72 h): 0.24 mg/l (based on growth rate) (OECD Guideline 201)
Persistency and degradability	: Not readily biodegradable; 4.5% BOD/ThOD after 28 days (Equivalent or similar to OECD Guideline 301 C)
Bioaccumulative potential	: BCF: 598.4 (EPI-Suite, BCFWIN v2.17)

Safety Data Sheet as per Globally Harmonized System (GHS)

Galsoft SCI 85 (G)

Version No. 2 Date of revision: January 10, 2019

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: K_{oc} 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

14. TRANSPORT INFORMATION

Not classified as dangerous according to transport regulations

§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 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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