Safety Data Sheet according to Commission Regulation (EU) 2015/830

Galsoft SCI 85 (N)

Version No. 1 Date of revision: August 10, 2020

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Trade Name	:	Galsoft SCI 85 (N)
Relevant identified uses of the substance or mixture and uses advised against		
Use of the substance/mixture	:	Ingredient in Personal and Home Care products
Details of the supplier of the safety data sheet		
Details of the manufacturer	:	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: +91-9867673376 / +91-9867613368 (Language: English) For Incident (Spill, Leak, Fire, Exposure, or Accident) CHEMTREC (Day or Night): +1 703-741-5970 / 1-800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP):

Eye irritation Category 2A; H319

Chronic aquatic toxicity Category 3; H412

For the full text of H-Statements: see SECTION 16

Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP):

Hazard pictogram(s):

Signal word(s): Warning

Hazard statement(s):

H319: Causes serious eye irritation.

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 : PBT or vPvB - No

Other hazards which do not result in classification - Not known

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Synonyms	CAS Number	EC Number	REACH Registration Number	Classification according to Regulation (EC) No. 1272/2008	% Concentration
Fatty acids, coco, 2-sulfoethyl esters, sodium salts	Sodium Cocoyl Isethionate; Sodium 2-(cocoyloxy)ethanesulfonate	61789-32-0	263-052-5	01-2119974104-40-xxxx	Eye irritation Category 2A; H319 Chronic aquatic toxicity Category 3; H412	≥ 85
2,6-di-tert-butyl-p-cresol (Substance with exposure limits)	BHT; 2,6-di-tert-butyl-4-methylphenol	128-37-0	204-881-4	_	Acute aquatic toxicity Category 1; H400 Chronic aquatic toxicity Category 1, H410	< 0.1

For the full text of H-Statements: see SECTION 16

SECTION 4: FIRST AID MEASURES

Description of 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 and effects, both acute and delayed

Eye contact	: Causes serious eye irritation
Skin contact	: Slightly irritant

Indication of any immediate medical attention and special treatment needed

Treatment	: Treat symptomatically

SECTION 5: FIREFIGHTING 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 substance or mixture	: Development of hazardous combustion products like oxides of carbon and sulfur possible in the event of fire
Advice for firefighters	: Wear personal protective equipment and self-contained breathing apparatus

SECTION 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
Reference to other sections	:	Refer to Section 8 and 13

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling	:	Follow general occupational hygiene such as, wash hands before and after use. Do not use hooks for handling bags. Use personal protective equipment while charging the material. Take precautionary measures against electrostatic discharges. To avoid dusting, keep minimum distance between bag and the hopper. Use proper dust collection system to avoid particle contamination in the production area. Use only with adequate ventilation. 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 below 45°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. However, it may hydrolyze at temperature 100°C and in highly alkaline/acidic condition. Stacking of paper bags: Palletized: 1+1 during transport and single pallet during storage, on ground or in rack Non-palletized: 1+7 while transport (only in case of domestic/local dispatches) and no stacking during storage 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
Specific end use(s)	:	No other specific use other than mentioned in Section 1

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Occupational exposure limits

Occupational exposure limits for 2,6-di-tert-butyl-p-cresol (CAS Number: 128-37-0; EC Number: 204-881-4)

Country	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m³	ppm	mg/m³
Austria	-	10	-	-
Belgium	-	2 (Inhalable fraction and vapour)	-	-
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 vapour)	-	40 (Inhalable fraction and vapour) (15 minutes average value)
Ireland	-	2	-	-
Spain	-	10	-	-
United Kingdom	-	10	-	-

(Source: Based on GESTIS International Limit values Database via: https://limitvalue.ifa.dguv.de/WebForm_ueliste2.aspx, as on date: 05.08.2020)

Biological limit values : Not known

DN(M)ELs

DN(M)ELs for Fatty acids, coco, 2-sulfoethyl esters, sodium salts (CAS Number: 61789-32-0; EC Number: 263-052-5)

DN(M)ELs for workers

Acute-systemic effects (Dermal) : No DNEL required: short term exposure controlled by conditions for long-term

Acute-systemic effects (Inhalation) : Low hazard (No threshold derived)

Acute-local effects (Dermal) : Low hazard (No threshold derived)

Acute-local effects (Inhalation) : Low hazard (No threshold derived)

Long-term-systemic effects (Dermal) : DNEL: 28.75 mg/kg bw/day

Long-term-systemic effects (Inhalation)	:	DNEL: 62.5 mg/m³
Long-term-local effects (Dermal)	:	Low hazard (No threshold derived)
Long-term-local effects (Inhalation)	:	Low hazard (No threshold derived)
Local effects (eyes)	:	Medium hazard (No threshold derived)
DN(M)ELs for general population		
Acute-systemic effects (Dermal)	:	No hazard identified
Acute-systemic effects (Inhalation)	:	Low hazard (No threshold derived)
Acute-systemic effects (Oral)	:	Low hazard (No threshold derived)
Acute-local effects (Dermal)	:	Low hazard (No threshold derived)
Acute-local effects (Inhalation)	:	Low hazard (No threshold derived)
Long-term-systemic effects (Dermal)	:	DNEL: 17.3 mg/kg bw/day
Long-term-systemic effects (Inhalation)	:	DNEL: 18.5 mg/m³
Long-term-systemic effects (Oral)	:	DNEL: 10.7 mg/kg bw/day
Long-term-local effects (Dermal)	:	Low hazard (No threshold derived)
Long-term-local effects (Inhalation)	:	Low hazard (No threshold derived)
Local effects (eyes)	:	Low hazard (No threshold derived)

DN(M)ELs for 2,6-di-tert-butyl-p-cresol (CAS Number: 128-37-0; EC Number: 204-881-4)

DN(M)ELs for workers		
Acute-systemic effects (Dermal)	:	No hazard identified
Acute-systemic effects (Inhalation)	:	Hazard unknown but no further hazard information necessary as no exposure expected
Acute-local effects (Dermal)	:	Hazard unknown but no further hazard information necessary as no exposure expected
Acute-local effects (Inhalation)	:	No-threshold effect and/or no dose-response information available
Long-term-systemic effects (Dermal)	:	DNEL: 0.5 mg/kg bw/day
Long-term-systemic effects (Inhalation)	:	DNEL: 1.76 mg/m³
Long-term-local effects (Dermal)	:	No hazard identified
Long-term-local effects (Inhalation)	:	Hazard unknown but no further hazard information necessary as no exposure expected

Local effects (eyes)	:	No hazard identified
DN(M)ELs for general population		
Acute-systemic effects (Dermal)	:	No hazard identified
Acute-systemic effects (Inhalation)	:	Hazard unknown but no further hazard information necessary as no exposure expected
Acute-systemic effects (Oral)	:	No hazard identified
Acute-local effects (Dermal)	:	No hazard identified
Acute-local effects (Inhalation)	:	Hazard unknown but no further hazard information necessary as no exposure expected
Long-term-systemic effects (Dermal)	:	DNEL: 0.25 mg/kg bw/day
Long-term-systemic effects (Inhalation)	:	DNEL: 0.435 mg/m³
Long-term-systemic effects (Oral)	:	DNEL: 0.25 mg/kg bw/day
Long-term-local effects (Dermal)	:	No hazard identified
Long-term-local effects (Inhalation)	:	Hazard unknown but no further hazard information necessary as no exposure expected
Local effects (eyes)	:	No hazard identified

PNECs for Fatty acids, coco, 2-sulfoethyl esters, sodium salts (CAS Number: 61789-32-0; EC Number: 263-052-5)

PNEC aqua (freshwater)	:	4.8 µg/l
PNEC aqua (marine water)	:	0.48 µg/l
PNEC aqua (intermittent release)	:	48 µg/l
PNEC sediment (freshwater)	:	714 µg/kg sediment dw
PNEC sediment (marine water)	:	71.4 µg/kg sediment dw
PNEC soil	:	139.4 µg/kg soil dw
PNEC air	:	No hazard identified
PNEC STP	:	6.87 mg/l
PNEC (secondary poisoning)	:	94.7 mg/kg food

PNECs for 2,6-di-tert-butyl-p-cresol (CAS Number: 128-37-0; EC Number: 204-881-4)

PNEC aqua (freshwater)	:	0.199 µg/l
PNEC aqua (marine water)	:	0.02 µg/l

PNEC aqua (intermittent release)	:	1.99 µg/l
PNEC sediment (freshwater)	:	0.458 mg/kg sediment dw
PNEC sediment (marine water)	:	0.046 mg/kg sediment dw
PNEC soil	:	0.054 mg/kg soil dw
PNEC air	:	No hazard identified
PNEC STP	:	0.017 mg/l
PNEC oral for predators (secondary poisoning)	:	16.67 mg/kg food

Exposure controls

Appropriate engineering controls	:	Proper plant design, technical measures and working operations should minimize human exposure
Individual protection measures, such as personal protective equipment	:	Eye/face protection: Safety goggles Skin protection: Apron, rubber gloves and shoes Respiratory protection: Dust mask required when dust is generated
Environmental exposure controls	:	Do not discharge into drains, surface water or ground water

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance

Physical state	:	Needles
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 (product will decompose)
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
Solubility(ies)	:	Moderately soluble in water (100 - 1000 mg/l) (5% solution is milky at room temperature)
Partition coefficient: n-octanol/water	:	No data available
Auto-ignition temperature	:	Did not show self-heating up to 400°C, indicates that substance does not have self-ignition temperature (data of Sodium Cocoyl Isethionate)
Decomposition temperature	:	> 300°C
Viscosity	:	Not applicable
Explosive properties	:	Not explosive. Does not contain chemical groups indicating explosive properties
Oxidising properties	:	Not oxidising
Other information	:	No data available

SECTION 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

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects of Fatty acids, coco, 2-sulfoethyl esters, sodium salts

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)
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	:	No data available. 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: ≥ 1000 mg/kg bw/day (Equivalent or similar to OECD Guideline 407)
		Repeated dose toxicity: dermal (Rat): NOAEL: ≥ 2070 mg/kg bw/day (OECD Guideline 410)
Aspiration hazard	:	Not classified

Information on toxicological effects of 2,6-di-tert-butyl-p-cresol

Acute oral toxicity (Rat)	:	LD_{50}: > 6000 mg/kg bw (male/female) (OECD Guideline 401)
Acute dermal toxicity (Rat)	:	LD_{50}: > 2000 mg/kg bw (male/female) (OECD Guideline 402)
Acute inhalation toxicity (Mouse)	:	RD_{50} (30 min): about 546 mg/m^3 (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 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	:	Eye contact: Causes 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
Other information	:	No data available

SECTION 12: ECOLOGICAL INFORMATION

Ecological information of Fatty acids, coco, 2-sulfoethyl esters, sodium salts

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
Toxicity to aquatic algae	:	Pseudokirchneriella subcapitata EC_{50} (72 h): ≥ 1.87 mg/l NOEC (72 h): ≥ 0.31 mg/l (OECD Guideline 201) Read-across approach
Persistence and degradability	:	Readily biodegradable; 78% after 28 days (O_2 consumption) OECD Guideline 301 D (Ready Biodegradability: Closed Bottle Test)
Bioaccumulative potential	:	BCF: 58 (calculated using the BCFBAF 3.0 submodule of Epiwin 4.1.) 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
Results of PBT and vPvB assessment	:	Not considered to be PBT or vPvB
Other adverse effects	:	No data available

Ecological information of 2,6-di-tert-butyl-p-cresol

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)
Persistence 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)
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
Results of PBT and vPvB assessment	:	Not considered to be PBT or vPvB
Other adverse effects	:	No data available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods	:	Dispose off contents/container in accordance with local/regional/ national/international regulations

SECTION 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

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/ legislation specific for the substance or mixture	:	Refer to all applicable national, international and local regulations or provisions
Chemical Safety Assessment	:	No Chemical Safety Assessment has been carried out for the product

SECTION 16: OTHER INFORMATION

Full text of H-Statements referred to under section 2	:	H319: Causes serious eye irritation H400: Very toxic to aquatic life H410: Very toxic to aquatic life with long lasting effects H412: Harmful to aquatic life with long lasting effects
Indication of changes	:	Not applicable

Legend/acronym	: PBT- Persistent, Bioaccumulative and Toxic vPvB - very Persistent and very Bioaccumulative DNEL - Derived No Effect Level PNEC - Predicted No Effect Concentration STOT - Specific Target Organ Toxicity
Revision Number	: REACH/Revision 0
Source of data	: In-house and literature
Training advice	: Provide adequate information, instructions and training to operators

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