Product Safety Information Sheet

COSMO POLYSORBATE-60

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING	
1.1 Product identifier:	COSMO POLYSORBATE-60
Sorbitan monostearate, ethoxylated	
CAS:	9005-67-8
EC:	500-020-4
Index:	Non-applicable
REACH:	Non-applicable
Other means of identification:	Not available
1.2 Relevant identified uses:	Relevant uses: Industrial formulation Uses advised against: All uses not specified in this section or in section 7.3
1.3 Details of the supplier:	Cosmo Chemistry India 713, Millennium Business Hub, Sarthana Jakatnaka, Varachha Road, Surat-395006, Gujarat, India Tel: +91 97979 77958 Email: info@cosmochemistryindia.com Website: cosmochemistryindia.com
1.4 Emergency telephone number:	+91 97979 77958

SECTION 2: HAZARDS IDENTIFICATION	
2.1 Classification of the substance or mixture:	CLP Regulation (EC) No 1272/2008: The product is not classified as hazardous according to CLP Regulation (EC) No 1272/2008.
2.2 Label elements:	CLP Regulation (EC) No 1272/2008: None
2.3 Other hazards:	Product does not meet PBT/vPvB criteria Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS			
3.2 Mixture:	Chemical description: Surfactant		
In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:			
Identification	**Chemical name/Classification**	**Classification**	**Concentration**
Sorbitan monostearate, ethoxylated CAS: 9005-67-8 EC: 500-020-4	Sorbitan monostearate, ethoxylated	Not classified Regulation 1272/2008	100%
To obtain more information on the hazards of the substances consult sections 11, 12 and 16.			

SECTION 4: FIRST AID MEASURES	
4.1 Description of first aid measures:	Consult a doctor in case of discomfort showing the SDS for the product.

By inhalation:	In case of symptoms, move the person affected into fresh air.
By skin contact:	In case of contact it is recommended to clean the affected area thoroughly with water and neutral soap. In case of changes to the skin (stinging, redness, rashes, blisters,...), seek medical advice with this Safety Data Sheet.
By eye contact:	Rinse with water until the product has been eliminated. In case of problems, consult a doctor showing the SDS for the product.
By ingestion/aspiration:	In case of consumption in large quantities, it is recommended to seek medical assistance.
4.2 Most important symptoms and effects, both acute and delayed:	Acute and delayed effects are indicated in sections 2 and 11.
4.3 Indication of any immediate medical attention and special treatment needed:	Not available

SECTION 5: FIREFIGHTING MEASURES	
5.1 Extinguishing media:	Suitable extinguishing media: Product is non-flammable, with a low risk of fire due to the flammability characteristics of the product in normal conditions of storage, handling and use. In the case of the existence of sustained combustion as a result of improper handling, storage or use any type of extinguishing agent can be used (ABC Powder, water,...) Unsuitable extinguishing media: Non-applicable
5.2 Special hazards arising from the substance or mixture:	Due to its non-inflammable nature, the product does not present a fire risk under normal conditions of storage, handling and use.
5.3 Advice for firefighters:	Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC. Additional provisions: Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES	
6.1 Personal precautions, protective equipment and emergency procedures:	For non-emergency personnel: Isolate leaks provided that there is no additional risk for the people performing this task. For emergency responders: Wear protective equipment. Keep unprotected persons away. See section 8.
6.2 Environmental precautions:	This product is not classified as hazardous to the environment. Keep product away from drains, surface and ground water.
6.3 Methods and material for containment and cleaning up:	It is recommended: Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.
6.4 Reference to other sections:	See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:	A. General precautions: Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods. B. Technical recommendations for prevention of fires and explosions: Transfer at a slow speed to avoid the creation of electrostatic charges. Consult section 10. C. Technical recommendations on general occupational hygiene: Do not eat or drink during the process, washing hands afterwards with suitable cleaning products. D. Technical recommendations to prevent environmental risks: It is not necessary to take special measures to prevent environmental risks.
7.2 Conditions for safe storage, including any incompatibilities:	Minimum Temp.: 5°C Maximum Temp.: 45°C Maximum time: 24 Months General conditions: Avoid sources of heat, radiation, static electricity and contact with food.
7.3 Specific end use(s):	Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters: There are no applicable occupational exposure limits for the substances contained in the product.

DNEL (Workers):

Identification	Short exposure		Long exposure	
	Systemic	**Local**	**Systemic**	**Local**
Sorbitan monostearate, ethoxylated CAS: 9005-67-8 EC: 500-020-4	Oral Dermal Inhalation	Not available Not available Not available	Not available Not available Not available	Not available 28 mg/kg 98.7 mg/m³

DNEL (General population):

Sorbitan monostearate, ethoxylated CAS: 9005-67-8 EC: 500-020-4	Oral Dermal Inhalation	Not available Not available Not available	Not available Not available Not available	10 mg/kg 10 mg/kg 17.4 mg/m³

PNEC:

Identification	Compartment	Value
Sorbitan monostearate, ethoxylated CAS: 9005-67-8 / EC: 500-020-4	Fresh water Marine water Intermittent Soil Sediment (Fresh water) Sediment (Marine water) Oral STP	0.011 mg/L 0.0011 mg/L 0.19 mg/L 0.269 mg/kg 1.38 mg/kg 0.138 mg/kg Not available Not available

8.2 Exposure controls: A. Individual protection measures: As a preventative measure it is recommended to use basic Personal Protective Equipment (PPE), with the corresponding CE marking in accordance with Regulation (EU) 2016/425. B. Respiratory protection: The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded. C. Hand protection: Protective gloves against minor risks. Replace gloves in case of any sign of damage. For prolonged periods of exposure, recommend using CE III gloves in line with standards EN ISO 21420:2020 and EN ISO 374-1:2016+A1:2018. D. Eye and face protection: Panoramic glasses against splash/projections (EN 166:2002, EN ISO 4007:2018). Clean daily and disinfect periodically. Use if there is a risk of splashing. E. Body protection: Work clothing - Replace before any evidence of deterioration. Anti-slip work shoes (EN ISO 20347:2022). F.

	Additional emergency measures: It is not necessary to take additional emergency measures.
Volatile organic compounds (Directive 2010/75/EU):	
V.O.C. (Supply):	0% weight
V.O.C. density at 20°C:	0 kg/m³ (0 g/L)
Average carbon number:	Not available
Average molecular weight:	Not available

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:	
Physical state at 20°C:	Liquid
Appearance:	Not available
Colour:	Light yellow / Brown
Odour:	Characteristic
Odour threshold:	Not available
Volatility:	
Boiling point at atmospheric pressure:	>100°C
Vapour pressure at 20°C:	Not available
Vapour pressure at 50°C:	<300,000 Pa (300 kPa)
Evaporation rate at 20°C:	Not available
Product description:	
Density at 20°C:	1080 kg/m³
Relative density at 20°C:	1.08
Dynamic viscosity at 20°C:	Not available
Kinematic viscosity at 20°C:	Not available
Kinematic viscosity at 40°C:	Not available
pH:	5 - 8 (at 5%)
Partition coefficient n-octanol/water 20°C:	Not available
Solubility in water at 20°C:	Not available
Decomposition temperature:	Not available
Melting point/freezing point:	Not available
Flammability:	
Flash Point:	>100°C
Flammability (solid, gas):	Not available
Autoignition temperature:	Not available
Lower/Upper flammability limit:	Not available
9.2 Other information:	
Explosive properties:	Not available

Oxidising properties:	Not available
Corrosive to metals:	Not available
Surface tension at 20°C:	Not available
Refraction index:	Not available

SECTION 10: STABILITY AND REACTIVITY	
10.1 Reactivity:	No hazardous reactions are expected because the product is stable under recommended storage conditions.
10.2 Chemical stability:	Chemically stable under the indicated conditions of storage, handling and use.
10.3 Possibility of hazardous reactions:	Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.
10.4 Conditions to avoid:	Shock and friction: Not applicable Contact with air: Not applicable Increase in temperature: Not applicable Sunlight: Not applicable Humidity: Not applicable
10.5 Incompatible materials:	Acids: Avoid strong acids Water: Not applicable Oxidising materials: Not applicable Combustible materials: Not applicable Others: Avoid alkalis or strong bases
10.6 Hazardous decomposition products:	Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO_2), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION	
11.1 Information on hazard classes (Regulation (EC) No 1272/2008):	LD50 oral > 2000 mg/kg (rat)
In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:	
A. Ingestion (acute effect):	Acute toxicity: Classification criteria not met Corrosivity/Irritability: Classification criteria not met
B. Inhalation (acute effect):	Acute toxicity: Classification criteria not met Corrosivity/Irritability: Classification criteria not met
C. Contact with skin and eyes (acute effect):	Contact with the skin: Classification criteria not met Contact with the eyes: Classification criteria not met
D. CMR effects:	Carcinogenicity: Classification criteria not met Mutagenicity: Classification criteria not met Reproductive toxicity: Classification criteria not met
E. Sensitizing effects:	Respiratory: Classification criteria not met Skin: Classification criteria not met
F. Specific target organ toxicity (STOT) - single exposure:	Classification criteria not met
G. Specific target organ toxicity (STOT) - repeated exposure:	Classification criteria not met
H. Aspiration hazard:	Classification criteria not met
11.2 Information on other hazards:	Endocrine-disrupting properties: The product does not meet the criteria.

SECTION 12: ECOLOGICAL INFORMATION	
The experimental information related to the eco-toxicological properties of the product itself is not available. Based on available data, the classification criteria are not met.	
12.1 Toxicity:	Not available

12.2 Persistence and degradability:	Not available
12.3 Bioaccumulative potential:	Not available
12.4 Mobility in soil:	Not available
12.5 Results of PBT and vPvB assessment:	Product does not meet PBT/vPvB criteria
12.6 Endocrine disrupting properties:	The product does not meet the criteria.
12.7 Other adverse effects:	Not described

SECTION 13: DISPOSAL CONSIDERATIONS	
13.1 Waste treatment methods:	Code: It is not possible to assign a specific code, as it depends on the intended use by the user. Waste class (Regulation (EU) No 1357/2014): Non-hazardous Waste management: Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). Waste should not be disposed of to drains. Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: TRANSPORT INFORMATION	
Transport of dangerous goods by land (ADR 2023 and RID 2023):	
14.1 UN number or ID number:	Not available
14.2 UN proper shipping name:	Not available
14.3 Transport hazard class(es):	Not available
14.4 Packing group:	Not available
14.5 Environmental hazards:	No
14.6 Special precautions for user:	Special regulations: Not available Tunnel restriction code: Not available Limited quantities: Not available
14.7 Maritime transport in bulk:	Not available
Transport of dangerous goods by sea (IMDG 41-22):	
14.1 UN number or ID number:	Not available
14.2 UN proper shipping name:	Not available
14.3 Transport hazard class(es):	Not available
14.4 Packing group:	Not available
14.5 Marine pollutant:	No
14.6 Special precautions:	Not available
14.7 Maritime transport in bulk:	Not available
Transport of dangerous goods by air (IATA/ICAO 2024):	
14.1 UN number or ID number:	Not available
14.2 UN proper shipping name:	Not available
14.3 Transport hazard class(es):	Not available
14.4 Packing group:	Not available
14.5 Environmental hazards:	No
14.6 Special precautions:	See section 9
14.7 Maritime transport in bulk:	Not available

SECTION 15: REGULATORY INFORMATION	
15.1 Safety, health and environmental regulations/legislation:	- Article 95, REGULATION (EU) No 528/2012: Not available - Candidate substances for authorisation under REACH: Not available - Regulation (EU) No 2024/590, ozone layer depleting substances: Not available - REGULATION (EU) No 649/2012, import and export of hazardous chemicals: Not available - Substances included in Annex XIV of REACH: Not available - Seveso III: Not available - Limitations to commercialisation (Annex XVII REACH): Not available
It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.	
Other legislation:	The product could be affected by sectorial legislation
15.2 Chemical safety assessment:	The supplier has not carried out evaluation of chemical safety.

SECTION 16: OTHER INFORMATION

This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (COMMISSION REGULATION (EU) 2020/878).

Modifications to the previous Safety Data Sheet:	Not available
Advice related to training:	Training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.
Principal bibliographical sources:	http://echa.europa.eu http://eur-lex.europa.eu
Abbreviations and acronyms:	
ADR:	European agreement concerning the international carriage of dangerous goods by road
IMDG:	International maritime dangerous goods code
IATA:	International Air Transport Association
ICAO:	International Civil Aviation Organisation
LD50:	Lethal Dose 50
LC50:	Lethal Concentration 50
EC50:	Effective concentration 50
IARC:	International Agency for Research on Cancer
PBT:	Persistent, Bioaccumulative and Toxic
vPvB:	Very Persistent and very Bioaccumulative
REACH:	Registration, Evaluation, Authorisation and Restriction of Chemicals
CLP:	Classification, Labelling and Packaging
STOT:	Specific Target Organ Toxicity

Product safety information sheet prepared in accordance with Article 32 of Regulation (EC) 1907/2006 (REACH). This document does not constitute a Safety Data Sheet under Article 31 of Regulation (EC) No. 1907/2006, as a Safety Data Sheet is not mandatory for this product. The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy.

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