

SAFETY DATA SHEET



Product name: Sorbitanmonolaurat

Print Date: 6. January 2021

Version: 2.2, revision date: 02.01.2021

Replaced version: 3.1 created on: 06.11.2019

Region: EN

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name / Trade name

Sorbitanmonolaurat

Product form : Substance (UVCB)
IUPAC name : Sorbitan laurate
EC no. : 215-663-3
CAS No. : 1338-39-2
REACH registration No : 01-2119971161-43

1.2. Relevant identified uses of the substance or mixture and uses advised against

Main use category

Industrial use

Title	Life cycle stage	Use descriptors
General overview of industrial uses of sorbitan fatty esters	Industrial	SU3, PC1, PC8, PC9a, PC12, PC14, PC18, PC19, PC20, PC21, PC23, PC24, PC32, PC34, PC35, PROC2, PROC3, PROC4, PROC5, PROC6, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC11, PROC12, PROC13, PROC14, PROC15, PROC16, PROC17, PROC18, PROC21, PROC24, ERC4, ERC5, ERC6a, ERC6b, ERC6c, ERC6d, ERC7
General overview of professional uses of sorbitan fatty esters	Professional	SU22, PC12, PC21, PC27, PC31, PC35, PC39, PROC2, PROC3, PROC4, PROC5, PROC6, PROC8a, PROC8b, PROC9, PROC10, PROC11, PROC13, PROC14, PROC15, PROC16, PROC17, PROC18, PROC19, PROC20, PROC21, ERC8a, ERC8b, ERC8c, ERC8d, ERC8e, ERC8f, ERC9a, ERC9b, ERC10a, ERC11a
General overview of consumer uses of sorbitan fatty esters	Consumer	SU21, PC0, PC1, PC3, PC4, PC8, PC9a, PC9b, PC9c, PC12, PC13, PC15, PC16, PC17, PC23, PC24, PC25, PC27, PC28, PC31, PC32, PC34, PC35, PC39, ERC8a, ERC8b, ERC8c, ERC8d, ERC8e, ERC8f, ERC9a, ERC9b, ERC10a, ERC10b, ERC11a
General overview of manufacturing uses of sorbitan fatty esters		SU3, PROC2, PROC3, PROC4, PROC5, PROC6, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC11, PROC13, PROC14, PROC15, PROC21, ERC1
General overview of formulation uses of sorbitan fatty esters		SU3, PC0, PC2, PC9a, PC12, PC18, PC20, PC23, PC24, PC32, PC34, PC39, PROC2, PROC3, PROC4, PROC5, PROC6, PROC7, PROC8a, PROC8b, PROC9, PROC10, PROC11, PROC12, PROC13, PROC14, PROC15, PROC21, ERC2, ERC3

Uses advised against

No additional information available

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1.3. Details of the supplier of the safety data sheet

Company

SysKem Chemie GmbH
Brucknerweg 26
D-42289 Wuppertal

Telephone +49 (0) 202/30999510
Telefax +49 (0) 202/87088403
E-mail address info@syskem.de

Prepared by / E-mail address of person responsible for the SDS

info@syskem.de

1.4. Emergency telephone number

Vergiftungs-Informationen-Zentrale Freiburg, Tel. +49 761 19240.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling (REGULATION (EC) No 1272/2008)

No labelling applicable

2.3. Other hazards

Other hazards not contributing to the classification

None under normal conditions.

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Substance type : UVCB

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sorbitan laurate	(CAS No.) 1338-39-2 (EC no.) 215-663-3 (REACH-no) 01-2119971161-43	100	Not classified

Full text of H-statements: see section 16

3.2. Mixtures

Not applicable



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SECTION 4: First aid measures

4.1. Description of first aid measures

General advice:

If you feel unwell, seek medical advice.

If inhaled:

Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

In case of skin contact:

Rinse with water. Soap may be used. Take victim to a doctor if irritation persists.

In case of eye contact:

Rinse with water. Consult an ophthalmologist if irritation persists.

If swallowed:

Rinse mouth thoroughly with water. Call a poison center or a doctor if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects

Unlikely to cause harmful effects.

4.3. Indication of any immediate medical attention and special treatment needed

No supplementary information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

AFFF foam. BC powder. Carbon dioxide. Dry sand. Dry chemical powder. Adapt extinguishing media to the environment.

Unsuitable extinguishing media

Solid water jet ineffective as extinguishing medium.

5.2. Special hazards arising from the substance or mixture

Fire hazard

DIRECT FIRE HAZARD: Combustible. INDIRECT FIRE HAZARD: Heating increases the fire hazard. Temperature above flashpoint: higher fire/explosion hazard.

Explosion hazard

No direct explosion hazard.

Reactivity in case of fire

On burning: release of (carbon monoxide - carbon dioxide).

5.3. Advice for firefighters

Other information

No supplementary information available.



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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures

Mark the danger area. Exposure to heat: have neighbourhood close doors and windows.
Exposure to fire/heat: consider evacuation. Wash contaminated clothes.

For non-emergency personnel

Protective equipment

See "Material-Handling" to select protective clothing.

For emergency responders

Protective equipment

Use protective measures listed in Section 8.

6.2. Environmental precautions

Prevent soil and water pollution.

6.3. Methods and material for containment and cleaning up

For containment

Knock down/dilute dust cloud with water spray.

Methods for cleaning up

Clean contaminated surfaces with an excess of water and soap solution. Take up liquid spill into inert absorbent material, e.g.: dry sand/earth/vermiculite or powdered limestone.

Other information

No supplementary information available.

6.4. Reference to other sections

Handle waste materials in accordance with the provisions of Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling temperature

≥ 10 °C above melting point

7.2. Conditions for safe storage, including any incompatibilities

Information on mixed storage

KEEP SUBSTANCE AWAY FROM: heat sources.

Storage area

Keep container in a well-ventilated place. Store at ambient temperature. Keep out of direct sunlight. Meet the legal requirements.

Special rules on packaging

SPECIAL REQUIREMENTS: closing. correctly labelled. meet the legal requirements.

Packaging materials

No supplementary information available.

7.3. Specific end use(s)

No additional information available



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SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

No additional information available

8.2. Exposure controls**Personal protective equipment**

Gloves. Protective clothing. Safety glasses

Materials for protective clothing

GIVE GOOD RESISTANCE: nitrile rubber

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties**

Physical state	: Liquid
Appearance (room temperature)	: Paste.
Colour	: Yellow to amber.
Odour	: Sweet. characteristic.
Odour threshold	: No data available
pH	: 5 - 8
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No supplementary information available
Freezing point	: ca. 12 °C
Boiling point	: > 250 °C
Flash point	: 222 °C (ASTM D92)
Auto-ignition temperature	: > 300 °C
Decomposition temperature	: > Flash point
Flammability (solid, gas)	: No data available
Vapour pressure	: No supplementary information available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: ca. 1059,3 kg/m3 (20°C) ca. 1044,6 kg/m3 (40°C) ca. 1000,4 kg/m3 (100°C)
Solubility :	: Insoluble in water. Soluble in ethanol. Soluble in methanol. Soluble in oils/fats.
Log Pow	: 3,15 - 8,86 (QSAR results)
Viscosity, kinematic	: ca. 33 mm2/s (100°C)
Explosive properties	: Product is not explosive.
Oxidising properties	: Product is not oxidising.
Explosive limits	: No data available

9.2. Other information

VOC content	: < 0,1 % (1999/13/EC; 2004/42/EC; 2010/75/EU)
Other properties	: Oily. Soluble in oils/fats. soluble in most organic solvents. Insoluble in water.

SECTION 10: Stability and reactivity**10.1. Reactivity**

On burning: release of (carbon monoxide - carbon dioxide).

10.2. Chemical stability

Stable under normal conditions.



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10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No supplementary information available.

10.5. Incompatible materials

No supplementary information available.

10.6. Hazardous decomposition products

No supplementary information available.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Not classified.

Sorbitanmonolaurat (1338-39-2)

LD50 oral rat > 2000 mg/kg Non-toxic

Skin corrosion/irritation

Not classified

pH: 5 - 8

Serious eye damage/eye irritation

Not classified

pH: 5 - 8

Respiratory or skin sensitisation

Not classified

Germ cell mutagenicity

Not classified

Carcinogenicity

Not classified

Reproductive toxicity

Not classified

STOT - single exposure

Not classified

STOT - repeated exposure

Not classified

Aspiration toxicity

Not classified

Sorbitanmonolaurat (1338-39-2)

Viscosity, kinematic ca. 33 mm²/s (100°C)



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SECTION 12: Ecological information**12.1 Toxicity**

Ecology - general : According to literature: no environmental hazard.
Ecology - air : No supplementary information available.
Ecology - water : No bioaccumulation data available

12.2 Persistence and degradability**Sorbitanmonolaurat (1338-39-2)**

Persistence and degradability : Readily biodegradable in water.
Biodegradation : > 70 % (OECD 301B - OECD 301C)

12.3 Bioaccumulative potential**Sorbitanmonolaurat (1338-39-2)**

LogPow : 3,15 - 8,86 (QSAR results)

12.4 Mobility in soil

No additional information available

12.5 Results of PBT and vPvB assessment**Sorbitanmonolaurat (1338-39-2)**

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6 Other adverse effects

No additional information available

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Disposal**

Prevent dispersion by covering with dry absorbent, Scoop solid spill into closing containers, Scoop absorbed substance into closing containers, Clean contaminated surfaces with an excess of water and soap solution, Wash clothing and equipment after handling

Regional legislation (waste)

No supplementary information available.

Ecology - waste materials

Do not discharge into drains or the environment. Remove to an authorized waste treatment plant.

European List of Waste (LoW) code

No supplementary information available

SECTION 14: Transport information**14.1 UN number**

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good



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14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

No REACH Annex XVII restrictions
The Product is not on the REACH Candidate List
The Product is not on the REACH Annex XIV List

VOC content

< 0,1 % (1999/13/EC; 2004/42/EC; 2010/75/EU)

National regulations

Chemical inventories

Compliant with AICS, DSL, ECST, ENCS, IECSC, KECL, NZIoC, PICCS, TECI, TSCA, EC inventories
Listed on the AICS (Australian Inventory of Chemical Substances)
Listed on the Canadian DSL (Domestic Substances List)
Listed on ECST (Existing Chemical Substances Inventory of Taiwan)
Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
Listed on the Korean ECL (Existing Chemicals List)
Listed on NZIoC (New Zealand Inventory of Chemicals)
Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Listed on ELINCS (European List of Notified Chemical Substances)

Reference to AwSV

Water hazard class (WGK) 1, low hazard to waters

12th Ordinance Implementing the Federal Immission Control Act – 12.BImSchV

Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

15.2. Chemical Safety Assessment

The chemical safety assessment has been carried out, an exposure scenario is not applicable (substance is not classified).

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SECTION 16: Other information

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Training advice

No supplementary information available.

SDS changed sections

Section 1