



Section 1. Product and Company Identification

Product Name Sorbitan Monooleate
CAS Number 1338-43-8

Parchem - fine & specialty chemicals

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EMERGENCY RESPONSE NUMBER
CHEMTEL

Toll Free US & Canada: 1 (800) 255-3924

All other Origins: 1 (813) 248-0585

Collect Calls Accepted

Section 2. Hazards Identification

Classification of the substance or mixture

GHS Classification: None

GHS Label Elements

Pictograms: N/A

Signal word: N/A

Hazard and precautionary statements

Precautionary Statements

P103: Read label before use

P233: Keep container tightly closed

P262: Do not get in eyes, on skin, or on clothing

P281: Use personal protection equipment as required

Health Hazards: No physical hazards according to OSHA/GHS criteria. No health hazards according to OSHA/GHS criteria

Environmental Hazards: No environmental hazards according to OSHA/GHS criteria

Section 3. Composition / Information on Ingredients

Common Name Sorbitan Monooleate

Synonym(s) Sorbitan Oleate

CAS Number 1338-43-8

COMPONENT	CAS NUMBER	CONCENTRATION
Sorbitan Monooleate	1338-43-8	~ 100% wt.

Section 4. First Aid Measures

Eye Contact: P305 IF IN EYES: Immediately flush with gentle, but large stream of water for fifteen (15) minutes, lifting upper and lower eyelids occasionally. Get medical attention if irritation develops.



Skin Contact: P302 IF ON SKIN: Wash affected area with plenty of soap and water. If itching or redness develops, seek medical attention. Contaminated clothing should be removed immediately and washed before reuse. Contaminated shoes should be discarded.

Inhalation: P304 IF INHALED: Remove victim to fresh air. If breathing becomes difficult, contact a physician.

Ingestion: P301 IF SWALLOWED: Do not induce vomiting. If large amounts were swallowed, give water to drink and get medical attention

Section 5. Firefighting Measures

Flash Point: 149°C (> 300°F)

Auto-ignition Temperature: No data

Flammable Limits (UEL/LEL): No data

Extinguishing Media: Water spray (fog), foam, dry chemical, carbon dioxide

Special Fire Fighting Equipment: Self-contained breathing apparatus with full face piece and protective clothing

Fire and explosion Hazards: None known

Unusual Fire/Explosion Hazards: Emits toxic fumes under conditions of fire

Section 6. Accidental Release Measures

Personal Precautions

P210: Keep away from heat/sparks/open flames/hot surfaces - No smoking

P262: Do not get in eyes, on skin, or on clothing

P264: Wash thoroughly after handling

P280: Wear protective gloves/protective clothing/eye protection/face protection.

Environmental Precautions

P273: Avoid release to the environment. Limit leakage with earth or sand. Do not discharge into the drains/surface water/ground water. Dispose of absorbed material in accordance with local, state and federal regulations.

Methods for Clean-Up: Take up with absorbent material (e.g. vermiculite, general purpose binder). Dispose of absorbed material in accordance with local, state, and federal regulations.

Section 7. Handling and Storage

Handling

P210: Keep away from heat/sparks/open flames/hot surfaces - No smoking

P262: Do not get in eyes, on skin, or on clothing

P264: Wash thoroughly after handling

P280: Wear protective gloves/protective clothing/eye protection/face protection.



Storage

P402+P404: Store in a dry place. Store in a closed container.

P403+P233: Store in a well-ventilated place. Keep container tightly closed. Protect from moisture. Store in a cool, dry place.

Special Packaging: None known

Incompatible Materials: P210: Keep away from heat/sparks/open flames/hot surfaces - No smoking.

Strong oxidizers, strong acids, and strong bases at high temperatures

Section 8. Exposure Controls / Personal Protection

Exposure Limits

Material	CAS No.	ACGIH	OSHA
Sorbitan Monooleate	1338-43-8	Not established	Not established

Personal Protective Equipment (PPE)

Hand: Chemical resistant gloves

Eye: Chemical goggles or glasses with side shields

Skin: Protective clothing

Respiration: The use of a NIOSH approved respirator protection may be needed if working in a poorly ventilated area

Engineering Measures/Controls

Ventilation: Ensure adequate ventilation, especially in confined area

Other: Eye wash and safety shower in work area

Section 9. Physical and Chemical Properties

Appearance: Clear to Slightly Hazy, Yellow to Amber Liquid

Odor: Sweet

pH: N/A

Odor Threshold: N/D

Boiling Point: 300°C (> 572°F)

Melt/Freeze Point: - 16°C (3°F)

Vapor Pressure: < 0.01 mmHg @ 20°C

Vapor Density: N/D

Flash Point: 149°C (> 300°F)

Evaporation Rate: < 0.01

UEL: N/D

LEL: N/D

Viscosity (25°C): ~ 1000 cPs

Solubility in Water: Insoluble

Partition Coefficient: N/D



Specific Gravity: ~ 1.0 @ 25°C
Auto-Ignition Temp.: N/D
Decomposition Temp.: N/D
Volatile Content: < 0.1%
VOC Data: N/D

Section 10. Stability and Reactivity

Stability: Stable under normal conditions.
Materials to Avoid: Strong oxidizing agents
Conditions to Avoid: Exposure to moist air or water, extreme heat, sources of ignition
Hazardous Decomposition: Carbon Dioxide, Carbon Monoxide.
Hazardous Polymerization: Will not occur

Section 11. Toxicological Information

Acute Data

Routes of Exposure: Eye Contact, Skin Contact, Ingestion, Inhalation (mist or vapors)

Eye Contact: Minimal irritation, if any

Skin Contact: Minimal irritation, if any

Ingestion: Practically nontoxic

Inhalation: Minimal irritation, if any

Skin Sensitization: Non-sensitizing

Acute Toxicity/Effects

Test	Test Type	Species	Results	Comments
Oral Toxicity	LD50	Rat	> 39800 mg/kg	Relatively harmless
Dermal Toxicity	N/D	N/D	N/D	-
Inhalation Toxicity	N/D	N/D	N/D	-
Eye Irritation	N/D	N/D	N/D	-

Chronic Data:

Carcinogenicity

IARC: No

NTP: No

ACGIH: No

OSHA: No

Mutagenicity: No effects

Reproductive Effects: No effects

Target Organ Effects: None



Section 12. Ecological Information

Ecotoxicity

Test	Test Type	Species	Results	Comments
Acute Toxicity to Fish	LC50	Rainbow trout	> 1000 mg/l	No effects expected at WSL (water solubility limit)
Acute Toxicity to Aquatic Invertebrates	EC50	Daphnia magna	> WSL	No effects expected at WSL (water solubility limit)
Acute Toxicity to Aquatic Plants	EC50	Algae	> WSL	No effects expected at WSL (water solubility limit)
Chronic Toxicity to Fish	N/D	N/D	N/D	No effects expected at WSL (water solubility limit)

Environmental Fate

Persistence/Degradability: Readily Biodegradable, 62% in 28d

COD/BOD5: No Data Available

Bioaccumulation Potential: Low

Mobility in Soil: Moderate

Other Adverse Effects: No Data Available

Section 13. Disposal Considerations

Waste Treatment Methods: Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

Section 14. Transport Information

US DOT (Land): Not Regulated

IATA/ICAO (Air): Not Regulated

IMDG/IMO (Maritime): Not Regulated

Section 15. Regulatory Information

Domestic Regulation

Components Requiring Notification

SARA 302 (TPQ): None

SARA 304 (RQ): None

CERCLA (RQ): None

CAA 112(r): Not Listed



SARA 311/312 Hazard Categorization

Acute: N

Chronic: N

Fire: N

Pressure: N

Reactivity: N

State Information

California Prop. 65: May contain traces (<100 ppm) of the following components known to the State of California to cause cancer, birth defects or other reproductive harm:

None

State Right to Know/ Hazardous Substance List: The following chemicals are present on one or more Right to Know/Hazardous Substance Lists for the states of MA, MN, NJ, PA, and RI:

None

Chemical Inventories

USA (TSCA)	Europe (EINECS)	Australia (AICS)	Philippines (PICCS)	Canada (DSL)	Korea (ECL)	Japan (ENCS)	China (IECSC)	New Zealand (NZIoC)
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

HMIS

Health: 0

Flammability: 1

Reactivity: 0

PPE: X

Section 16. Other Information

Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product.

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