

**Safety data sheet**  
**COMMISSION REGULATION (EU) No 2015/830 of 1**  
**June 2015 amending Annex II of Regulation (EU) No**  
**453/2010**

Printing date 01.04.2020

Revision: 01.04.2020

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

- **Trade name:** sorbitan oleate HG
- **CAS Number:**  
1338-43-8
- **EC number:**  
215-665-4
- **Registration number** Please provide the pre-registration number
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture**  
The substance is used in emulsion explosives, emulsion polymerization, and as an emulsifier in leather, textile.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Spak Orgochem (India) Pvt Ltd  
Registered Office : 1004/1005, A-Wing Damji Shamji Corporate, Square, Off. Ghatkopar-Andheri Link Road, Ghatkopar (East), Mumbai-400 075, MH-INDIA.
- **Further information obtainable from:**  
Phone: +91 22 2500 3494 / 2500 3498  
Email: marketing@spakorgochem.in,  
Website: www.spakorgochem.in
- **1.4 Emergency telephone number:**  
Contact details of European importer  
Emergency telephone number: Kindly provide emergency telephone number to finalise the SDS  
Telephone number of EU importer:  
Opening hours:  
Other Comments (e.g. language(s) of the phone service): English

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
The substance is not classified according to the CLP regulation.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.

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**SECTION 3: Composition/information on ingredients**· **3.1 Chemical characterisation: Substances**· **CAS No. Description**

1338-43-8 sorbitan oleate

· **Identification number(s)**· **EC number:** 215-665-4· **Additional information:**Molecular formula: C<sub>24</sub>H<sub>44</sub>O<sub>6</sub>

Molecular weight: 428.60 g/mol

Purity: Please provide

**SECTION 4: First aid measures**· **4.1 Description of first aid measures**· **After inhalation:** Supply fresh air; consult doctor in case of complaints.· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

Generally the product does not irritate the skin.

· **After eye contact:**

Rinse opened eye for several minutes under running water.

If irritation develops, seek medical advice.

· **After swallowing:**

Rinse out mouth and then drink plenty of water.

If symptoms persist consult doctor.

· **4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

· **Information for doctor:** Treat symptomatically and supportively.· **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

**SECTION 5: Firefighting measures**· **5.1 Extinguishing media**· **Suitable extinguishing agents:**CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.· **For safety reasons unsuitable extinguishing agents:** Water with full jet· **5.2 Special hazards arising from the substance or mixture**

In case of fire, the following can be released:

Carbon monoxide (CO)

Carbon dioxide (CO<sub>2</sub>)

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**· 5.3 Advice for firefighters****· Protective equipment:***Wear self contained breathing apparatus for fire fighting if necessary.***SECTION 6: Accidental release measures****· 6.1 Personal precautions, protective equipment and emergency procedures***Wear protective equipment. Keep unprotected persons away.**Ensure adequate ventilation***· 6.2 Environmental precautions:***Do not allow product to reach sewage system or any water course.***· 6.3 Methods and material for containment and cleaning up:***Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).**Keep in suitable, closed containers for disposal.**Dispose of the material collected according to regulations.***· 6.4 Reference to other sections***See Section 7 for information on safe handling.**See Section 8 for information on personal protection equipment.**See Section 13 for disposal information.***SECTION 7: Handling and storage****· 7.1 Precautions for safe handling***Ensure good ventilation/exhaustion at the workplace.**No special measures required.***· Information about fire - and explosion protection:***Keep ignition sources away - Do not smoke.***· 7.2 Conditions for safe storage, including any incompatibilities****· Storage:****· Requirements to be met by storerooms and receptacles:***Store in a cool, dry, well-ventilated area away from incompatible substances.***· Information about storage in one common storage facility:***Store away from incompatibles.***· Further information about storage conditions:***Store the product in closed original Package or closed tank storage. The temperature of storage should be around 20-25 deg C.***· 7.3 Specific end use(s)***The substance is used in emulsion explosives, emulsion polymerization, and as an emulsifier in leather, textile.*

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### SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:**  
Handle in accordance with good industrial hygiene and safety practice.
- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:**  
Use suitable respiratory protective device in case of insufficient ventilation.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves**  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Safety glasses
- **Body protection:** Protective work clothing

### SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

<b>Form:</b>	Liquid
<b>Colour:</b>	Amber coloured
<b>Odour:</b>	Characteristic

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· <b>pH-value:</b>	Not determined.
· <b>Change in condition</b>	
<b>Melting point/Melting range:</b>	15-20 °C
<b>Boiling point/Boiling range:</b>	>240 °C
· <b>Flash point:</b>	>145 °C (open cup)
· <b>Flammability (solid, gaseous):</b>	Not applicable.
· <b>Self-igniting:</b>	Product is not selfigniting.
· <b>Danger of explosion:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
<b>Oxidising properties</b>	No oxidizing properties.
· <b>Vapour pressure:</b>	Not determined.
· <b>Density at 20 °C:</b>	1 g/cm <sup>3</sup>
· <b>Solubility in / Miscibility with water:</b>	Dispersible.
· <b>Partition coefficient (n-octanol/water):</b>	Not determined.
· <b>Viscosity:</b>	
<b>Kinematic:</b>	1000 cps
· <b>9.2 Other information</b>	No further relevant information available.

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** Extreme heat
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**  
May produce carbon mono-oxide and/or carbon dioxide.  
No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

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· <b>LD/LC50 values relevant for classification:</b>
Oral LD50 >39.8 gm/kg (rat)

· **Primary irritant effect:**· **Skin corrosion/irritation**

Species: Rabbit

Dose: 250 ug

Effect: Mild irritant effect.

· **Serious eye damage/irritation** No data available· **Respiratory or skin sensitisation** No sensitising effects known.· **Repeated dose toxicity**

The substance was tested for 16-weeks by dietary administration at doses of 0,2.5, 5 and 10% in rats (15/sex).

The NOAEL was determined to be < 2.5% which is equivalent to < 1450 mg/kg bw/ day

· **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**· **Germ cell mutagenicity** No data available· **Carcinogenicity** No data available· **Reproductive toxicity**

A two-year study conducted in males with 5% sorbitan monooleate in the diet did not identify adverse effects on reproductive organs

· **STOT-single exposure** No data available· **STOT-repeated exposure** No data available· **Aspiration hazard** No data available

## SECTION 12: Ecological information

· **12.1 Toxicity**

· <b>Aquatic toxicity:</b>
LC50 (96 hr) > 1000 mg/L (Fish <i>Salmo gairdneri</i> )

· **12.2 Persistence and degradability** The product is Readily biodegradable .· **12.3 Bioaccumulative potential** No further relevant information available.· **12.4 Mobility in soil** No further relevant information available.· **Additional ecological information:**· **General notes:** Not known to be hazardous to water.· **12.5 Results of PBT and vPvB assessment**· **PBT:** Not applicable.· **vPvB:** Not applicable.· **12.6 Other adverse effects** No further relevant information available.

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### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**  
Dispose off waste material according to local, state and federal regulations.
- **European waste catalogue**  
04 02: Wastes from the textile industry  
04 01: Wastes from the leather and fur industry
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### SECTION 14: Transport information

· <b>14.1 UN-Number</b>	
· <b>ADR, ADN, IMDG, IATA</b>	Void
· <b>14.2 UN proper shipping name</b>	
· <b>ADR, ADN, IMDG, IATA</b>	Void
· <b>14.3 Transport hazard class(es)</b>	
· <b>ADR, ADN, IMDG, IATA</b>	
· <b>Class</b>	Void
· <b>14.4 Packing group</b>	
· <b>ADR, IMDG, IATA</b>	Void
· <b>14.5 Environmental hazards:</b>	Not applicable.
· <b>14.6 Special precautions for user</b>	Not applicable.
· <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>	Not applicable.
· <b>UN "Model Regulation":</b>	Void

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void

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- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** Substance is not listed.
- **National regulations:**
- **Other regulations, limitations and prohibitive regulations**  
User to follow national laws and regulations.
- **Substances of very high concern (SVHC) according to REACH, Article 57**  
The substance is not listed as SVHC.
- **15.2 Chemical safety assessment:**  
A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

*This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.*

- **Department issuing MSDS:** Product safety department.
- **Contact:**  
Phone: + 91 22 25220083/ 25230030/ 25293450  
Fax: +91 22 25233504  
Email: [marketing@spakorgochem.in](mailto:marketing@spakorgochem.in),  
Website: [www.spakorgochem.in](http://www.spakorgochem.in)
- **Abbreviations and acronyms:**  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
SVHC: Substances of Very High Concern  
vPvB: very Persistent and very Bioaccumulative
- **Sources**
  - REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
  - Data from US-EPA Robust study summary:  
<http://documentcache1.toxplanet.com/Documents/c13466rs.pdf>
  - Data from IUCLID 4 Dataset:  
<http://documentcache2.toxplanet.com/Documents/1338438.pdf>
  - Data from Reprotox Database
  - Data from J-check Database  
[http://www.safe.nite.go.jp/jcheck/search.action?request\\_locale=en](http://www.safe.nite.go.jp/jcheck/search.action?request_locale=en)

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**\* Data compared to the previous version altered.***Section 1: Identification of the substance/mixture and of the company/undertaking**Section 2: Hazard Identification**Section 3: composition/information of ingredients**Section 4: First-aid measures.**Section 5: Fire-fighting measures**Section 6: Accidental Release measures**Section 7: Handling and storage.**Section 8: Exposure Controls/Personal protection.**Section 9: Physical and Chemical properties.**Section 10: Stability and Reactivity.**Section 11: Toxicological Information.**Section 12: Ecological Information.**Section 13: Disposal Consideration**Section 14: Transport Information.**Section 15: Regulatory Information.**Section 16: Other Information.*

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