

## SAFETY DATA SHEET HOSTAPUR OS liq

### SECTION 1. IDENTIFICATION

<b>Trade name:</b>	<b>HOSTAPUR OS liq</b>
<b>Material number:</b>	106798
<b>Chemical family:</b>	Olefin sulphonate, sodium salt (EC number: 931-534-0 / 40% in water) - synonym description with CAS RN 68439-57-6
<b>Primary product use:</b>	Raw material for detergents
<b>Primary product use:</b>	Surface active agent for cosmetics
<b>Primary product use:</b>	Auxiliary for formulating plant protection products

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with the Hazardous Products Regulations

Skin irritation : Category 2

Serious eye damage : Category 1

#### GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H315 Causes skin irritation.  
H318 Causes serious eye damage.

Precautionary statements : **Prevention:**  
P264 Wash skin thoroughly after handling.  
P280 Wear protective gloves/ eye protection/ face protection.

**Response:**  
P302 + P352 IF ON SKIN: Wash with plenty of water.  
P305 + P351 + P338 + P310 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P362 + P364 Take off contaminated clothing and wash it before reuse.

## Other hazards

None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

### Components

Chemical name	CAS-No.	Concentration (% w/w)
Olefine sulphonate	68439-57-6	40
Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts	68439-57-6	30 - 60

Actual concentration or concentration range is withheld as a trade secret

## SECTION 4. FIRST AID MEASURES

- General advice : Remove/Take off immediately all contaminated clothing.
- If inhaled : Move the victim to fresh air.  
Give oxygen or artificial respiration if needed.  
Get immediate medical advice/ attention.  
Never give anything by mouth to an unconscious person.
- In case of skin contact : Remove contaminated clothing and wash affected areas with soap and plenty of water for at least 15 minutes. If redness or skin irritation occurs, seek medical attention.
- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.  
Get medical attention immediately if irritation develops and persists.
- If swallowed : If ingested, get immediate medical attention.
- Most important symptoms and effects, both acute and delayed : The possible symptoms known are those derived from the labelling (see section 2).  
The possible risks known are those derived from the labelling (see section 2).
- Notes to physician : None known.  
Treat symptomatically.

## SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray jet  
Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry powder
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : In case of fires, hazardous combustion gases are formed:  
Carbon monoxide (CO)  
  
Sulphur dioxide (SO<sub>2</sub>)
- Special protective equipment for firefighters : Self-contained breathing apparatus

## SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Wear suitable protective equipment.  
Contain spill and pump into proper containers using compatible equipment. Smaller spills may be recovered using inert absorbent material. Wash spill area. Wear prescribed protective gear.
- Environmental precautions : Do not allow to enter drains or waterways
- Methods and materials for containment and cleaning up : Pick up with absorbent material (eg sand, sawdust). Rinse away rest with water

## SECTION 7. HANDLING AND STORAGE

- Advice on protection against fire and explosion : Observe the general rules of industrial fire protection
- Advice on safe handling : Handle and open container with care.
- Further information on storage conditions : - sensitive to frost - In case of the product becoming opaque, thickening or being frozen due to the effects of cold, allow to thaw slowly at room temperature. Stir briefly before use.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

## Personal protective equipment

Respiratory protection	:	Wear an approved respirator when exposed to vapours or to mists beyond the TLV. Use appropriate filters. Do not exceed filters limitations. TLV = Threshold Limit Value
Hand protection	:	
Remarks	:	Nitrile Gloves
Eye protection	:	Tightly fitting safety goggles
Skin and body protection	:	Avoid skin contact. Wear suitable protective clothing.
Protective measures	:	Avoid contact with skin. Avoid contact with eyes.
Hygiene measures	:	Wash hands before breaks and at the end of workday. Use protective skin cream before handling the product. Take off immediately all contaminated clothing and wash it before reuse.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Liquid
Colour	:	yellow
Odour	:	characteristic
Odour Threshold	:	not tested.
pH	:	6 - 8 (20 °C) Concentration: 10 g/l
Solidification point	:	approx. -3 °C
Boiling point	:	approx. 100 °C Based on water-content.
Flash point	:	No flash point up to 100 °C.
Evaporation rate	:	not tested.
Flammability (solid, gas)	:	Not applicable
Self-ignition	:	Not applicable
Burning number	:	Not applicable
Upper explosion limit / upper flammability limit	:	not tested.

Lower explosion limit / Lower flammability limit	:	not tested.
Vapour pressure	:	< 0.001 Pa (25 °C) Method: calculated Information refers to the main component.
Relative vapour density	:	not tested.
Density	:	1.05 g/cm <sup>3</sup> (20 °C) Method: DIN 51757
Bulk density	:	Not applicable
Solubility(ies)		
Water solubility	:	soluble (20 °C)
Solubility in other solvents	:	not tested. Solvent: fat
Partition coefficient: n-octanol/water	:	log Pow: -1.3 (20 °C)  pH: 5.43 Method: 92/69/EEC, A.8. Information refers to the main component.
Auto-ignition temperature	:	not tested.
Decomposition temperature	:	Heating rate: 3 K/min Method: DSC No decomposition up to 370 °C.
Viscosity		
Viscosity, dynamic	:	< 100 mPa.s ( 20 °C) Method: DIN 53015
Viscosity, kinematic	:	not tested.
Explosive properties	:	no data available
Oxidizing properties	:	Not applicable
Surface tension	:	36.1 mN/m, 1 g/l, 20 °C, 92/69/EC (L383) A.5 * Surface tension, Data corresponds to that of the active component
Minimum ignition energy	:	not tested.
Particle size	:	Not applicable

## SECTION 10. STABILITY AND REACTIVITY

Reactivity	:	No dangerous reaction known under conditions of normal use.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No dangerous reaction known under conditions of normal use. Stable
Conditions to avoid	:	Keep away from heat and sources of ignition.
Incompatible materials	:	not known
Hazardous decomposition products	:	When handled and stored appropriately, no dangerous decomposition products are known

## SECTION 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

#### Product:

Acute oral toxicity	:	LD50 (Rat): > 2,000 mg/kg Method: OECD Test Guideline 401 Remarks: Information refers to the main component.
Acute inhalation toxicity	:	LC50 (Rat): > 52 mg/l Exposure time: 4 h Test atmosphere: dust/mist Method: OECD Test Guideline 403 Remarks: Information refers to the main component.
Acute dermal toxicity	:	LD50 (Rabbit): 6,300 mg/kg Method: OECD Test Guideline 402 Remarks: Information refers to the main component.

#### Components:

#### **Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts:**

Acute oral toxicity	:	LD50 (Rat): 2,079 mg/kg
Acute inhalation toxicity	:	LC50 (Rat): > 52 mg/l Exposure time: 4 h
Acute dermal toxicity	:	LD50 (Rabbit): > 6,300 mg/kg

### Skin corrosion/irritation

#### Product:

Species: Rabbit  
Method: OECD Test Guideline 404  
Result: irritating  
Remarks: Information refers to the main component.

## **Components:**

### **Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts:**

Species: Rabbit  
Method: OECD Test Guideline 404  
Result: Skin irritation

### **Serious eye damage/eye irritation**

#### **Product:**

Species: rabbit eye  
Result: Risk of serious damage to eyes.  
Method: OECD Test Guideline 405  
Remarks: Information refers to the main component.

## **Components:**

### **Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts:**

Species: Rabbit  
Result: Irritant  
Assessment: Corrosive  
Method: OECD Test Guideline 405

### **Respiratory or skin sensitisation**

#### **Product:**

Species: Guinea pig  
Method: OECD Test Guideline 406  
Result: non-sensitizing  
Remarks: Information refers to the main component.

### **Germ cell mutagenicity**

#### **Product:**

Germ cell mutagenicity - Assessment : It is concluded that the product is not mutagenic based on evaluation of several mutagenicity tests.  
Information refers to the main component.

### **Carcinogenicity**

#### **Product:**

Carcinogenicity - Assessment : No evidence of carcinogenicity in animal studies.  
Information refers to the main component.

## Reproductive toxicity

### Product:

Reproductive toxicity - Assessment : No indications of toxic effects were observed in reproduction studies in animals.

No information available.  
Information refers to the main component.

## STOT - single exposure

### Product:

Remarks: no data available

## STOT - repeated exposure

### Product:

Remarks: no data available

## Repeated dose toxicity

### Product:

Species: Rat  
NOAEL: 259 mg/kg  
Application Route: Oral  
Exposure time: 2 Jahre  
Remarks: Information refers to the main component.

## Aspiration toxicity

### Product:

no data available

## Experience with human exposure

### Product:

General Information : The possible symptoms known are those derived from the labelling (see section 2).

## Further information

### Product:

Remarks: The classification was made by the conventional (calculation) method of the CLP Regulation (EC) No 1272/2008.



## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Product:

- Toxicity to fish : LC50 (Danio rerio (zebra fish)): 4.2 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 203  
Remarks: Information refers to the main component.
- Toxicity to daphnia and other aquatic invertebrates : EC50 (Ceriodaphnia spec.): 4.53 mg/l  
Exposure time: 48 h  
Method: OECD Test Guideline 202  
Remarks: Information refers to the main component.
- Toxicity to algae/aquatic plants : EC50 (Skeletonema costatum (marine diatom)): 5.2 mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
Remarks: Information refers to the main component.
- Toxicity to microorganisms : EC50: 230 mg/l  
Method: OECD Test Guideline 209
- Sediment toxicity : 2025 mg/kg dry weight (d.w.)  
Duration: 10 d

### Persistence and degradability

#### Product:

- Biodegradability : Biodegradation: > 80 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301B  
Remarks: Readily biodegradable, according to appropriate OECD test.  
Information refers to the main component.
- Chemical Oxygen Demand (COD) : 790 mg/g
- Dissolved organic carbon (DOC) : 190 mg/g

### Bioaccumulative potential

#### Product:

- Bioaccumulation : Remarks: No bioaccumulation is to be expected (log Pow <= 4).

### Mobility in soil

#### Product:

- Distribution among environmental compartments : Remarks: Not expected to adsorb on soil.

Based upon the calculated log K<sub>oc</sub>, adsorption to the soil phase is not expected.  
The substance does not evaporate into the atmosphere from the surface of water.

## Other adverse effects

### Product:

Environmental fate and pathways : Remarks: No information is available on the mixture "as is". If relevant information is available on the substances listed in Chapter 3, it is reported here.

Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.

Results of PBT and vPvB assessment : The substance does not fulfill the criteria given in Annex XIII of Regulation (EC) 1907/2006 and is not identified as a PBT or as a vPvB substance.

Remarks: Information refers to the main component.

Additional ecological information : no data available

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : In accordance with local authority regulations, take to special waste incineration plant

Dispose of waste by landfilling in an approved site. Follow local regulations.

Contaminated packaging : Packaging that cannot be cleaned should be disposed of as product waste

## SECTION 14. TRANSPORT INFORMATION

**TDG** not restricted

**IATA** not restricted

**IMDG** not restricted

### Further information:

Non-dangerous good of class 9 for packagings ≤ 5 L / 5 kg

## SECTION 15. REGULATORY INFORMATION

**The components of this product are reported in the following inventories:**

DSL : All components of this product are on the Canadian DSL

## SECTION 16. OTHER INFORMATION

### Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

Observe national and local legal requirements