

## MATERIAL SAFETY DATA SHEET

Document drafted on: 2005-05-04  
Document up-dated on: 2005-10-03

# Rosulfan LP

### 1 Identification of the substance and of the company

**Product name**

Trade name: Rosulfan LP

**Application**

Anionic surfactant used as a component of liquid and powder washing and cleaning agents.

**Producer**

**PCC Rokita SA**, ul. Sienkiewicza 4, 56-120 Brzeg Dolny, Poland

**Specialty Chemicals Business Unit**

Telephone: (+4871) 319 24 32 or 319 26 97; Fax: (+4871) 319 28 02 or 319 25 50

**Emergency telephone number:**

Telephone: (+4871) 319 25 55, 319 24 41 or 319 26 90 (fax) at PCC Rokita SA or the closest local Fire Brigade

### 2 Composition / information on ingredients

<b>Chemical name:</b>	Sodium salt of lauryl C <sub>12</sub> -C <sub>14</sub> alcohol ether sulphate	
<b>Molecular formula:</b>	R-OSO <sub>3</sub> Na; where R = C <sub>n</sub> H <sub>2n+1</sub> ; n = 12-14	
<b>Component names:</b>	Sodium salt of lauryl C <sub>12</sub> -C <sub>14</sub> alcohol ether sulphate (90% m/m)	Water (max. 4% m/m)
<b>Hazard symbol:</b>	Xi; R36/38	
<b>Index number:</b>	-	
<b>CAS number(s):</b>	(3088-31-1); (9004-82-4) – generic, (1335-72-4) – for active substance	
<b>EC Number (EINECS):</b>	205-788-1	
<b>Additional information:</b>	INCI name: Sodium Lauryl Sulfate	

### 3 Hazards identification

Irritant (Xi).

Irritating to eyes and skin (R 36/38).

### 4 First aid measures

**Inhalation**

Allow adequate ventilation. Seek medical attention.

**Skin contact**

Remove contaminated clothing. Wash affected skin thoroughly with water.

**Eye contact**

Irrigate copiously with fresh water for at least 15 minutes with eyelids rolled up. Immediately seek ophthalmologist attention.

**Ingestion**

Rinse the mouth, do not give anything to drink. Do not induce vomiting (risk of choking because of substance foaming). Immediately seek medical attention.

## 5 Fire fighting measures

### Suitable extinguishing media

Foam, dry powder, carbon-dioxide and water (water spray).

### Extinguishing media which must not be used for safety reasons

Not known.

### Special hazards

In case of fire, sulphur dioxide may be formed. If possible, remove the product from the area exposed to fire or high temperature.

### Special protective equipment for fire-fighters

Wear suitable protective clothing and respiratory protective equipment.

### Additional information

Sulphur dioxide formed should be absorbed using water spray.

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## 6 Accidental release measures

### Personal precautions

Avoid contact with the substance. Ensure adequate ventilation in closed spaces.

### Environmental precautions

Prevent penetration of large product volumes into drains or sewage systems, ground or surface water and soil. Notify relevant authorities in case of environmental pollution.

### Methods for cleaning / disposal

In solid form poses no hazard. Collect scattered product into a closed container, recycle or neutralize in accordance with the regulations in force (see sec. 13). Wash the contaminated area thoroughly with water.

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## 7 Handling and storage

### Handling

Handle in compliance with general safety and industrial hygiene standards. Prevent access of unauthorised persons.

### Storage

Store in a tightly closed container in a roofed and dry area, at a temperature of up to 40°C. Guaranteed period of stability: 12 months from the date of manufacture. After the expiry of this period, the product can be used upon verifying the conformity of its parameters with the technical requirements.

### Specific applications

Substance with broad application.

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## 8 Exposure controls/personal protection

### Exposure control parameters

MAC(TWA): not specified.

### Personal protective equipment:

#### Respiratory protection

Not required in normal use.

#### Eye and face protection

Required – wear tightly fitting safety goggles if there is a risk of direct contact.

#### Hand protection

Required – protective gloves.

### Skin protection

Required – protective clothing.

### Hygiene measures

Immediately remove contaminated clothing. Wash hands and face after use. Refrain from eating or drinking at the workplace.

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## 9 Physical and chemical properties

<b>Appearance:</b>	powder
<b>Colour:</b>	white to cream
<b>Odour:</b>	odourless
<b>pH:</b>	6.6-11.4 (5% solution)
<b>Temperature</b>	
<b>melting:</b>	above 100 <sup>0</sup> C
<b>boiling:</b>	no data available
<b>flash-point:</b>	above 190 <sup>0</sup> C
<b>self-ignition:</b>	above 190 <sup>0</sup> C
<b>Flammability:</b>	non-flammable
<b>Explosive properties</b>	
<b>upper and lower explosion limit:</b>	no data available
<b>Oxidizing properties:</b>	no data available
<b>Vapour pressure:</b>	not applicable
<b>Bulk density:</b>	approx. 0.25 g/cm <sup>3</sup> at 20 <sup>0</sup> C
<b>Solubility</b>	
<b>in water:</b>	complete
<b>in organic solvents:</b>	ethyl alcohol
<b>Partition coefficient: n-octanol/water:</b>	no data available

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## 10 Stability and reactivity

<b>Stability</b>	Product stable under normal conditions.
<b>Conditions to avoid</b>	Do not heat above 40 <sup>0</sup> C; during storage, avoid temperatures outside the range specified in sec. 7
<b>Materials to avoid</b>	No data available
<b>Hazardous decomposition products</b>	Decomposition causes sulphur dioxide formation
<b>Additional information</b>	No risk of hazardous exothermic reaction

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## 11 Toxicological information

<b>Acute oral toxicity</b>	LD <sub>50</sub> (rat) above 5700 mg/kg (for a 30% solution)
<b>Inhalation toxicity</b>	No data available
<b>Skin contact</b>	Has a skin degreasing and slightly irritating effect
<b>Eye contact</b>	Causes irritation
<b>Ingestion</b>	Irritation of oral mucosa, pharynx, oesophagus and alimentary system mucous membranes

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## 12 Ecological information

<b>Ecotoxicity</b>	
<b>Toxicity to aquatic organisms (reference data)</b>	EC <sub>50</sub> (48 h) 5-13 mg/l (carp) EC <sub>50</sub> (48 h) 10.8-13.5 mg/l ( <i>Daphnia Magna</i> ) EC <sub>50</sub> (72 h) 27 mg/l (algae)

<b>Mobility</b>	After dissolving in water may penetrate to ground water
<b>Persistence and degradability</b>	
<b>Persistence</b>	Biodegradation potential of 99.3 % (for a 30% solution) specified in compliance with 82/243/EEC
<b>Degradability</b>	Ultimate aerobic biodegradation specified by manometric respirometry as per Directive 67/548/EEC, Annex V.C.4-D equals 75.0%
<b>Bioaccumulation potential</b>	Does not bioaccumulate in aquatic organisms, BCF<100 (reference data)
<b>Other adverse effects</b>	Inhibition of sewage bacteria growth has not been observed

### 13 Disposal Considerations

#### Product

Do not dispose of to drains or sewage system. Prevent penetration into ground or surface water. Do not landfill inert waste. Waste product should be recycled or neutralized in compliance with the regulations in force (Waste Act) in facilities or equipment that meet relevant requirements (authorized plants or producer).

#### Packaging

Empty packaging should be treated as hazardous waste. Recycling or neutralization of the packaging should comply with the regulations in force (Packaging and Packaging Waste Act).

### 14 Transport information

<b>Road transport ADR/RID</b>	Limitations resulting from ADR and RID regulations do not apply
<b>Sea transport IMDG</b>	Limitations resulting from IMDG regulations do not apply
<b>Air transport ICAO-TI and IATA-DGR</b>	No data available

### 15 Regulatory information

This Material Safety Data Sheet has been drafted in compliance with the Act on Chemical Substances and Preparations of 11 January 2001 (*Official Journal Dziennik Ustaw* 2001, No. 11, item 84), as amended.

Template for the Material Safety Data Sheet has been taken from the Regulation of the Minister of Health on Safety Data Sheets for Hazardous Substances and Preparations of 3 July 2002 (*Official Journal Dziennik Ustaw* 2002, No. 140, item 1171) as amended.

Additional regulations:

**Packaging labelling** – as per the Regulation of the Minister of Health on Hazardous Substance and Preparation Labelling of 2 September 2003 (*Official Journal Dziennik Ustaw* 2003, No. 173, item 1679), as amended.



Irritant (Xi)

#### R-phrases

R 36/38 Irritating to eyes and skin

#### S-phrases

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
 S 28 After contact with skin, wash immediately with plenty of water  
 S 37/39 Wear suitable gloves and eye/face protection

## 16 Other information

<b>List of R-phrases</b>	R 36/38	Irritating to eyes and skin
<b>Training required</b>	Customers applying Rosulfan LP should carefully read this Material Safety Data Sheet	
<b>Recommended application restrictions</b>	Not known	
<b>Further information can be obtained from</b>	Producer	
<b>Source of information</b>	Own research and generally available reference data	
<b>Modifications in the sheet</b>	Section 12 (degradability)	
<b>Additional information</b>	Information given herein refers solely to the technical product and ceases to be valid after its processing	
	MSDS version: 2	

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Information presented herein is given based on our most contemporary knowledge and it describes the product in terms of health care, environment protection and safe handling requirements. It shall not be understood as a guarantee of specific properties of the product.