

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

### 1.1. Product identifier

<b>Trade name or designation of the mixture</b>	LPS® Precision Clean (Concentrate & RTU)
<b>Registration number</b>	-
<b>Synonyms</b>	None.
<b>Part Number</b>	M02715, M02705, M02721, M02728, M02755
<b>Issue date</b>	22-February-2018
<b>Version number</b>	02
<b>Revision date</b>	01-April-2019
<b>Supersedes date</b>	22-February-2018

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

<b>Identified uses</b>	An industrial cleaner designed to remove grime, oils and light grease from metal, concrete and other durable surfaces.
<b>Uses advised against</b>	None known.

### 1.3. Details of the supplier of the safety data sheet

<b>Supplier</b>	Alsco Ltd
<b>Company name</b>	Unite 13 Hillmead Industrial Estate
<b>Address</b>	Marshall Road Swindon, Wiltshire United Kingdom SN5 5FZ
<b>Telephone</b>	+44 1793 733 900
<b>In Case of Emergency</b>	+001 703-527-3887
<b>Manufacturer</b>	
<b>Company name</b>	Rocol
<b>Address</b>	Rocol House Swillington Leeds LS26 8BS United Kingdom Tel: +44 (0) 113 232 2700 Fax: +44 (0) 113 232 2740
<b>e-mail</b>	lpssds@itwprobrands.com

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

#### Classification according to Regulation (EC) No 1272/2008 as amended

##### Health hazards

Skin corrosion/irritation	Category 1B	H314 - Causes severe skin burns and eye damage.
Serious eye damage/eye irritation	Category 1	H318 - Causes serious eye damage.

**Hazard summary** Causes severe skin burns and eye damage.

### 2.2. Label elements

#### Label according to Regulation (EC) No. 1272/2008 as amended

**Contains:** 1-dodecyl, sulfate, sodium salt, Alcohols, C10-16,ethoxylated, Dipropylene glycol monomethyl ether, Silicic acid, Disodium salt, Sodium xylenesulphonate, Tetrapotassium pyrophosphate

##### Hazard pictograms



**Signal word** Danger

**Hazard statements**

H314 Causes severe skin burns and eye damage.  
H318 Causes serious eye damage.

**Precautionary statements**

**Prevention**

P260 Do not breathe vapour.  
P264 Wash thoroughly after handling.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

**Response**

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTRE/doctor.  
P363 Wash contaminated clothing before reuse.

**Storage**

P405 Store locked up.

**Disposal**

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Supplemental label information** None known.

**2.3. Other hazards** Not a PBT or vPvB substance or mixture.

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

**General information**

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Alcohols, C10-16,ethoxylated	1 - 5	68002-97-1 500-182-6	-	-	
<b>Classification:</b>	-				
Dipropylene glycol monomethyl ether	1 - 5	34590-94-8 252-104-2	-	-	#
<b>Classification:</b>	Eye Irrit. 2;H319				
Silicic acid, Disodium salt	1 - 5	6834-92-0 229-912-9	-	014-010-00-8	
<b>Classification:</b>	Acute Tox. 4;H302, Skin Corr. 1B;H314, Eye Dam. 1;H318, Acute Tox. 3;H331, STOT SE 3;H335				
Tetrapotassium pyrophosphate	1 - 5	7320-34-5 230-785-7	-	-	
<b>Classification:</b>	Skin Irrit. 2;H315, Eye Irrit. 2;H319				
1-dodecyl, sulfate, sodium salt	0,1 - 1	151-21-3 205-788-1	-	-	
<b>Classification:</b>	Acute Tox. 4;H302, Acute Tox. 3;H311, Aquatic Chronic 2;H411				
Sodium xylenesulphonate	0,1 - 1	1300-72-7 215-090-9	-	-	
<b>Classification:</b>	Acute Tox. 4;H312				

**List of abbreviations and symbols that may be used above**

DSD: Directive 67/548/EEC.  
CLP: Regulation No. 1272/2008.  
#: This substance has been assigned Union workplace exposure limit(s).  
M: M-factor  
PBT: persistent, bioaccumulative and toxic substance.  
vPvB: very persistent and very bioaccumulative substance.  
All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

**Composition comments** The full text for all R- and H-phrases is displayed in section 16.

## SECTION 4: First aid measures

<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
<b>4.1. Description of first aid measures</b>	
<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician or poison control centre immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control centre immediately.
<b>Ingestion</b>	Call a physician or poison control centre immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
<b>4.2. Most important symptoms and effects, both acute and delayed</b>	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
<b>4.3. Indication of any immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

## SECTION 5: Firefighting measures

<b>General fire hazards</b>	No unusual fire or explosion hazards noted.
<b>5.1. Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>5.2. Special hazards arising from the substance or mixture</b>	During fire, gases hazardous to health may be formed.
<b>5.3. Advice for firefighters</b>	
<b>Special protective equipment for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Special fire fighting procedures</b>	Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.

## SECTION 6: Accidental release measures

<b>6.1. Personal precautions, protective equipment and emergency procedures</b>	
<b>For non-emergency personnel</b>	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe the mist or vapour. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.
<b>For emergency responders</b>	Keep unnecessary personnel away.
<b>6.2. Environmental precautions</b>	Avoid discharge into drains, water courses or onto the ground.
<b>6.3. Methods and material for containment and cleaning up</b>	This product is miscible in water.  Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.  Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.  Never return spills to original containers for re-use.
<b>6.4. Reference to other sections</b>	Not available.

## SECTION 7: Handling and storage

<b>7.1. Precautions for safe handling</b>	Do not breathe mist or vapour. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
<b>7.2. Conditions for safe storage, including any incompatibilities</b>	Store locked up. Store in original tightly closed container.

7.3. Specific end use(s) Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### Austria. MAK List, OEL Ordinance (GwV), BGBl. II, no. 184/2001

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	Ceiling	614 mg/m3
		100 ppm
	MAK	307 mg/m3 50 ppm

##### Belgium. Exposure Limit Values.

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m3
		50 ppm

##### Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m3
		50 ppm

##### Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	MAC	308 mg/m3
		50 ppm

##### Czech Republic. OELs. Government Decree 361

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	Ceiling	550 mg/m3
	TWA	270 mg/m3

##### Denmark. Exposure Limit Values

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TLV	309 mg/m3
		50 ppm

##### Estonia. OELs. Occupational Exposure Limits of Hazardous Substances. (Annex of Regulation No. 293 of 18 September 2001)

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m3
		50 ppm

##### Finland. Workplace Exposure Limits

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	310 mg/m3
		50 ppm

**France. Threshold Limit Values (VLEP) for Occupational Exposure to Chemicals in France, INRS ED 984**

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	VME	308 mg/m <sup>3</sup>
<b>Regulatory status:</b>	Regulatory binding (VRC)	50 ppm
<b>Regulatory status:</b>	Regulatory binding (VRC)	

**Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)**

Components	Type	Value	Form
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	310 mg/m <sup>3</sup>	Vapour.
		50 ppm	Vapour.

**Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace**

Components	Type	Value	Form
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	AGW	310 mg/m <sup>3</sup>	Vapour and aerosol.
		50 ppm	Vapour and aerosol.

**Greece. OELs (Decree No. 90/1999, as amended)**

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	STEL	900 mg/m <sup>3</sup>
	TWA	150 ppm 600 mg/m <sup>3</sup> 100 ppm

**Hungary. OELs. Joint Decree on Chemical Safety of Workplaces**

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	STEL	308 mg/m <sup>3</sup>
	TWA	308 mg/m <sup>3</sup>

**Iceland. OELs. Regulation 154/1999 on occupational exposure limits**

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	300 mg/m <sup>3</sup>
		50 ppm

**Ireland. Occupational Exposure Limits**

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m <sup>3</sup>
		50 ppm

**Italy. Occupational Exposure Limits**

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m <sup>3</sup>
		50 ppm

**Latvia. OELs. Occupational exposure limit values of chemical substances in work environment**

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m3
		50 ppm

**Lithuania. OELs. Limit Values for Chemical Substances, General Requirements**

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	STEL	450 mg/m3
		75 ppm
	TWA	300 mg/m3
		50 ppm

**Netherlands. OELs (binding)**

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	300 mg/m3

**Norway. Administrative Norms for Contaminants in the Workplace**

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TLV	300 mg/m3
		50 ppm

**Ordinance of the Minister of Labour and Social Policy on 6 June 2014 on the maximum permissible concentrations and intensities of harmful health factors in the work environment, Journal of Laws 2014, item 817**

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	STEL	480 mg/m3
	TWA	240 mg/m3

**Portugal. OELs. Decree-Law n. 290/2001 (Journal of the Republic - 1 Series A, n.266)**

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m3
		50 ppm

**Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)**

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	STEL	150 ppm
	TWA	100 ppm

**Romania. OELs. Protection of workers from exposure to chemical agents at the workplace**

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m3
		50 ppm

**Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents**

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m3
		50 ppm

**Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)**

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m <sup>3</sup>
		50 ppm

**Spain. Occupational Exposure Limits**

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m <sup>3</sup>
		50 ppm

**Sweden. OELs. Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2015:7)**

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	STEL	450 mg/m <sup>3</sup>
		75 ppm
	TWA	300 mg/m <sup>3</sup>
		50 ppm

**Switzerland. SUVA Grenzwerte am Arbeitsplatz**

Components	Type	Value	Form
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	STEL	300 mg/m <sup>3</sup>	Vapour and aerosol.
		50 ppm	Vapour and aerosol.
	TWA	300 mg/m <sup>3</sup>	Vapour and aerosol.
		50 ppm	Vapour and aerosol.

**UK. EH40 Workplace Exposure Limits (WELs)**

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m <sup>3</sup>
		50 ppm

**EU. Indicative Exposure Limit Values in Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU**

Components	Type	Value
Dipropylene glycol monomethyl ether (CAS 34590-94-8)	TWA	308 mg/m <sup>3</sup>
		50 ppm

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Recommended monitoring procedures** Follow standard monitoring procedures.

**Derived no effect levels (DNELs)** Not available.

**Predicted no effect concentrations (PNECs)** Not available.

**Exposure guidelines**

**EU Exposure Limit Values: Skin designation**

Dipropylene glycol monomethyl ether (CAS 34590-94-8) Can be absorbed through the skin.

**Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)**

Dipropylene glycol monomethyl ether (CAS 34590-94-8) Can be absorbed through the skin.

**8.2. Exposure controls**



<b>Appropriate engineering controls</b>	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.
<b>Individual protection measures, such as personal protective equipment</b>	
<b>General information</b>	Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.
<b>Eye/face protection</b>	Wear safety glasses with side shields (or goggles) and a face shield.
<b>Skin protection</b>	
- <b>Hand protection</b>	Wear appropriate chemical resistant gloves.
- <b>Other</b>	Wear appropriate chemical resistant clothing.
<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>Hygiene measures</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.
<b>Environmental exposure controls</b>	Environmental manager must be informed of all major releases.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Appearance

<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Colour</b>	Greenish-blue.
<b>Odour</b>	Citrus.
<b>Odour threshold</b>	Not available.
<b>pH</b>	12 - 13
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	100 °C (212 °F)
<b>Flash point</b>	None
<b>Evaporation rate</b>	1 BuAc
<b>Flammability (solid, gas)</b>	Not applicable.

#### Upper/lower flammability or explosive limits

<b>Flammability limit - lower (%)</b>	Not established
<b>Flammability limit - upper (%)</b>	Not established

<b>Vapour pressure</b>	< 18 mm Hg @20°C
<b>Vapour density</b>	> 1
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	100 % (in water)
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Explosive properties</b>	Not explosive.
<b>Oxidising properties</b>	Not oxidising.

### 9.2. Other information

<b>Density</b>	8,44 - 8,87 lb/gal
<b>Percent volatile</b>	> 90 %
<b>Specific gravity</b>	1,01 - 1,06



**VOC**

0,38 % (RTU) per U.S State and Federal Consumer Product Regulations.  
 1,5 % (Concentrate) per U.S State and Federal Consumer Product Regulations.

**SECTION 10: Stability and reactivity**

- 10.1. Reactivity** Reacts violently with strong acids. This product may react with oxidizing agents.
- 10.2. Chemical stability** Material is stable under normal conditions.
- 10.3. Possibility of hazardous reactions** No dangerous reaction known under conditions of normal use.
- 10.4. Conditions to avoid** Contact with incompatible materials. Do not mix with other chemicals.
- 10.5. Incompatible materials** Acids. Oxidizing agents.
- 10.6. Hazardous decomposition products** Carbon oxides.

**SECTION 11: Toxicological information**

**General information** Occupational exposure to the substance or mixture may cause adverse effects.

**Information on likely routes of exposure**

- Inhalation** May cause irritation to the respiratory system. Prolonged inhalation may be harmful.
- Skin contact** Causes severe skin burns.
- Eye contact** Causes serious eye damage.
- Ingestion** Causes digestive tract burns.

**Symptoms** Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

**11.1. Information on toxicological effects**

**Acute toxicity** Not expected to be acutely toxic.

Components	Species	Test Results
1-dodecyl, sulfate, sodium salt (CAS 151-21-3)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 500 mg/kg, 24 Hours
<b>Oral</b>		
LD50	Rat	980 mg/kg
Dipropylene glycol monomethyl ether (CAS 34590-94-8)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rat	> 20 ml/kg, Hours
<b>Oral</b>		
LD50	Rat	> 5000 mg/kg 5,4 ml/kg
Silicic acid, Disodium salt (CAS 6834-92-0)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rat	> 5000 mg/kg, 24 Hours
<b>Inhalation</b>		
<i>Vapour</i>		
LC50	Rat	> 2,1 mg/l, 4 Hours
<b>Oral</b>		
LD50	Rat	990 - 1300 mg/kg
Sodium xylenesulphonate (CAS 1300-72-7)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	>= 2000 mg/kg, 24 Hours
<b>Oral</b>		
LD50	Rat	> 3000 mg/kg

**Skin corrosion/irritation** Causes severe skin burns and eye damage.

<b>Serious eye damage/eye irritation</b>	Causes serious eye damage.
<b>Respiratory sensitisation</b>	Not a respiratory sensitizer.
<b>Skin sensitisation</b>	This product is not expected to cause skin sensitisation.
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
<b>Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)</b>	Not listed.
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.
<b>Specific target organ toxicity - single exposure</b>	Not classified.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not an aspiration hazard.
<b>Mixture versus substance information</b>	No information available.
<b>Other information</b>	None known.

## SECTION 12: Ecological information

**12.1. Toxicity** Based on available data, the classification criteria are not met for hazardous to the aquatic environment, acute hazard.

Components	Species	Test Results
1-dodecyl, sulfate, sodium salt (CAS 151-21-3)		
<b>Aquatic</b>		
Crustacea	EC50	Water flea (Daphnia obtusa)
Fish	LC50	Carp, hawk fish (Cirrhinus mrigala)

**12.2. Persistence and degradability**

**12.3. Bioaccumulative potential**

**Partition coefficient n-octanol/water (log Kow)**

1-dodecyl, sulfate, sodium salt 1,6

**Bioconcentration factor (BCF)** Not available.

**12.4. Mobility in soil** No data available.

**12.5. Results of PBT and vPvB assessment** Not a PBT or vPvB substance or mixture.

**12.6. Other adverse effects** None known.

## SECTION 13: Disposal considerations

**13.1. Waste treatment methods**

**Residual waste** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**EU waste code** The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Disposal methods/information** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Special precautions** Dispose in accordance with all applicable regulations.

## SECTION 14: Transport information

**ADR**

**14.1. UN number** UN3266

**14.2. UN proper shipping name** Corrosive liquid, basic, inorganic, n.o.s. (Silicic acid, Disodium salt)

**14.3. Transport hazard class(es)**

**Class** 8  
**Subsidiary risk** -  
**Label(s)** 8  
**Hazard No. (ADR)** 80  
**Tunnel restriction code** E

**14.4. Packing group** II

**14.5. Environmental hazards** No.

**14.6. Special precautions for user** Not available.

**RID**

**14.1. UN number** UN3266

**14.2. UN proper shipping name** Corrosive liquid, basic, inorganic, n.o.s. (Silicic acid, Disodium salt)

**14.3. Transport hazard class(es)**

**Class** 8  
**Subsidiary risk** -  
**Label(s)** 8

**14.4. Packing group** II

**14.5. Environmental hazards** No.

**14.6. Special precautions for user** Not available.

**ADN**

**14.1. UN number** UN3266

**14.2. UN proper shipping name** Corrosive liquid, basic, inorganic, n.o.s. (Silicic acid, Disodium salt)

**14.3. Transport hazard class(es)**

**Class** 8  
**Subsidiary risk** -  
**Label(s)** 8

**14.4. Packing group** II

**14.5. Environmental hazards** No.

**14.6. Special precautions for user** Not available.

**IATA**

**14.1. UN number** UN3266

**14.2. UN proper shipping name** Corrosive liquid, basic, inorganic, n.o.s. (Silicic acid, Disodium salt)

**14.3. Transport hazard class(es)**

**Class** 8  
**Subsidiary risk** -

**14.4. Packing group** II

**14.5. Environmental hazards** No.

**ERG Code** 8L

**14.6. Special precautions for user** Not available.

**Other information**

**Passenger and cargo aircraft** Allowed with restrictions.

**Cargo aircraft only** Allowed with restrictions.

**IMDG**

**14.1. UN number** UN3266

**14.2. UN proper shipping name** CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Silicic acid, Disodium salt)

**14.3. Transport hazard class(es)**

**Class** 8  
**Subsidiary risk** -

**14.4. Packing group** II

**14.5. Environmental hazards**

**Marine pollutant** No.

**EmS** F-A, S-B

**14.6. Special precautions for user** Not available.

**SAFOL 23E7**

STEP WAC/SOD. LAURYL SULFA

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

Not established.

ADN; ADR; IATA; IMDG; RID



## SECTION 15: Regulatory information

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

#### EU regulations

**EU Regulation 648/2004, Annex VII, Content Labeling for Detergents**

Not listed.

**Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended**

Not listed.

**Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended**

Not listed.

**Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended**

Not listed.

**Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA**

Not listed.

#### Authorisations

**Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended**

Not listed.

#### Restrictions on use

**Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended**

Not listed.

**Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.**

Not listed.

#### Other EU regulations

**Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended**

Not listed.

#### Other regulations

The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.

#### National regulations

Follow national regulation for work with chemical agents. Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work, as amended.

#### 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

## SECTION 16: Other information

<b>List of abbreviations</b>	Not available.
<b>References</b>	Not available.
<b>Information on evaluation method leading to the classification of mixture</b>	The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.
<b>Full text of any H-statements not written out in full under Sections 2 to 15</b>	H302 Harmful if swallowed. H311 Toxic in contact with skin. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H331 Toxic if inhaled. H335 May cause respiratory irritation. H411 Toxic to aquatic life with long lasting effects.
<b>Revision information</b>	Product and Company Identification: Product Codes Composition / Information on Ingredients: Disclosure Overrides Physical & Chemical Properties: Multiple Properties
<b>Training information</b>	Follow training instructions when handling this material.
<b>Disclaimer</b>	Rocol cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.