

## MATERIAL SAFETY DATA SHEET

Document drafted on: 2005-04-12  
Document up-dated on: 2005-10-03

# Rokanol DB3

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

#### Product name

Trade name: Rokanol DB3

#### Application

Rokanol DB3 is a non-ionic surfactant used in various cleaning and washing agents, usually as one of components together with other non-ionic or anionic or cationic surface active agents.

Rokanol DB3 can be used in oxidizing, reducing and hard water environments. It is active in an acid and neutral bath, as well as in diluted alkalis.

Rokanol DB3 is mainly used for the production of alkylethersulphates.

#### 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>	Polyoxyethylene ether of synthetic fatty alcohol	
<b>Molecular formula:</b>	RO(CH <sub>2</sub> CH <sub>2</sub> O) <sub>n</sub> H, where: R = C <sub>12</sub> C <sub>15</sub> , n ~ 3	
<b>Component names:</b>	Polyoxyethylene ether of synthetic fatty alcohols (min. 99.7% m/m)	Water (max. 0.3% m/m)
<b>Hazard symbol:</b>	Xi; R36/38	
<b>Index number:</b>	-	
<b>CAS number(s):</b>	68131-39-5	
<b>EC Number (EINECS):</b>	Polymer	
<b>Additional information:</b>	INCI name: C12-C15 Pareth-3	

### 3. Hazards identification

Irritant (Xi).

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

Rokanol DB3 stored in appropriate polyethylene containers or drums as specified in sec. 7 poses no hazard.

### 4. First aid measures

#### Inhalation

Under normal conditions poses no hazard.

#### Skin contact

Take off all contaminated clothing. After contact with skin, wash with soap and water. Launder clothing before reuse.

#### Eye contact

Irrigate copiously with fresh water for at least 15 minutes. Consult ophthalmologist.

### **Ingestion**

Do not induce vomiting (risk of choking because of substance foaming). Make sure the respiratory system is free. Seek medical attention.

### **Additional information**

Toxicological effect/exposure symptoms: skin contact of the liquid causes skin degreasing. Eye contact causes irritation.

Notes to physician: no special detoxifier or antidote. Apply symptomatic treatment. Persons who inhaled fumes (e.g. produced during a fire) must remain under medical supervision for at least 24-48 hours.

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## **5. Fire fighting measures**

### **Suitable extinguishing media**

Extinguish with water spray, foam, carbon-dioxide or dry powder.

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

Not known.

### **Special hazards**

Cool down drums exposed to fire or high temperature with water spray and, if possible, remove from the hazardous area.

### **Special protective equipment for fire-fighters**

Fire-fighters staying in the hazardous area must wear suitable protective clothing and protective equipment.

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## **6. Accidental release measures**

### **Personal precautions**

Avoid contact with the substance.

### **Environmental precautions**

Prevent penetration into drains or sewage systems, ground or surface water and soil.

### **Methods for cleaning / disposal**

If possible, eliminate the spill (e.g. seal tight, place the damaged packaging in an emergency packaging). Contain the spreading of the spill by bunding. Soak up the spill with absorbent material (e.g. earth, sand), collect into a container and recycle or dispose of in compliance with the regulations in force (see sec. 13). Wash the contaminated area with water.

### **Additional information**

Spill may cause surface to be slippery.

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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 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. In case of non-conformity, application tests should be performed.

### **Specific applications**

Not known.

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## **8. Exposure controls/personal protection**

### **Exposure control parameters**

MAC (TWA) and MAC (STEL): 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 – rubber gloves.

**Skin protection**

Protective clothing.

**Hygiene measures**

Avoid clothing contamination. Wash hands and face after use. When using do not eat or drink.

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**9. Physical and chemical properties**

<b>Appearance:</b>	liquid or paste
<b>Colour:</b>	colourless or straw
<b>Odour:</b>	weak, characteristic
<b>pH:</b>	4.6-7.4 (1% aqueous solution)
<b>Temperature</b>	
<b>solidification:</b>	approx. 10 <sup>0</sup> C
<b>boiling:</b>	no data available
<b>flash-point:</b>	above 130 <sup>0</sup> C
<b>self-ignition:</b>	no data available
<b>Flammability:</b>	flammable
<b>Explosive properties</b>	
<b>upper and lower explosion limit:</b>	not applicable
<b>Oxidizing properties:</b>	not applicable
<b>Vapour pressure:</b>	negligible at room temperature
<b>Relative density:</b>	approx. 0.93 g/ml at 20 <sup>0</sup> C
<b>Solubility</b>	
<b>in water:</b>	low, creates emulsion
<b>in organic solvents:</b>	low aliphatic alcohols
<b>Partition coefficient: n-octanol/water:</b>	no data available
<b>Other properties:</b>	hydroxyl value: 164-172 mg KOH/g

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**10. Stability and reactivity**

<b>Stability</b>	Product stable under normal conditions
<b>Conditions to avoid</b>	During storage avoid temperatures outside the range specified in sec. 7
<b>Materials to avoid</b>	Product reacts with strong oxidizing agents
<b>Hazardous decomposition products</b>	Carbon oxide, organic partial decomposition products

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**11. Toxicological information**

<b>Acute oral toxicity</b>	No evident toxicity has been observed
<b>Inhalation toxicity</b>	No data available
<b>Skin contact</b>	Has a skin degreasing effect, skin contact of the undiluted substance and its concentrated aqueous solutions may cause inflammatory reaction

**Eye contact** Contact of undiluted product with eyes causes conjunctivitis, eyelid swelling and cornea turbidity

**Ingestion** No data available

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## 12. Ecological information

**Ecotoxicity** No data available

**Mobility** Known or predicted distribution in various ecosystem compartments – hardly volatile product, slightly soluble in water, after dissolving in water may penetrate to groundwater

**Persistence and degradability**

**Persistence** Primary biodegradation above 80%, specified in compliance with 82/242/EEC

**Degradability** Ultimate aerobic biodegradation specified by manometric respirometry as per Directive 67/548/EEC, Annex V.C.4-D equals 78.9%

**Bioaccumulation potential** No data available

**Other adverse effects** Rokanol DB3 may cause foaming in a wastewater treatment plant

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## 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. Packaging can be re-used if thoroughly washed several times with water or treated using an equivalent cleaning procedure. Best results are obtained by washing immediately after emptying the packaging. Recycling or neutralization of the packaging should comply with the regulations in force (Packaging and Packaging Waste Act).

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## 14. Transport information

**Road transport ADR/RID** Limitations resulting from ADR and RID regulations do not apply  
Covered means of transport recommended

**Sea transport IMDG** Limitations resulting from IMDG regulations do not apply

**Air transport ICAO-TI and IATA-DGR** No data available

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## 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

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**16. Other information**

<b>List of R-phrases</b>	R 36/38	Irritating to eyes and skin
<b>Training required</b>	Customers applying Rokanol DB3 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>	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.