

## MATERIAL SAFETY DATA SHEET

Document drafted on: 2005-03-30  
Document up-dated on: 2005-10-05

# Rokanol DB7

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

#### Product name

Trade name: Rokanol DB7

#### Application

Rokanol DB7 is used as a component of washing and cleaning agents and as an emulsifier. Rokanol DB7 can be used in oxidizing, reducing and hard water environments. It is active in cold water, in an acid and neutral bath, as well as in diluted alkalis. Rokanol DB7 can be used in a mixture with other non-ionic auxiliary agents and in mixtures with anionic and cationic surface active agents. In a mixture with alkylsulphates alcohols and alkylarylsulphonates has a synergic cleaning and washing effect.

#### 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 ~ 7	
<b>Component names:</b>	Polyoxyethylene ether of synthetic fatty alcohols (min. 99.5% m/m)	Water (max. 0.5% 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-7	

### 3. Hazards identification

Irritant (Xi).

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

### 4. First aid measures

#### Inhalation

Under normal conditions poses no hazard.

#### Skin contact

Take off all contaminated clothing. After contact with skin, wash with plenty of 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.

### **Additional information**

Flammable product.

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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>	turbid liquid or paste
<b>Colour:</b>	straw
<b>Odour:</b>	weak, characteristic
<b>pH:</b>	4.6-7.4 (1% aqueous solution)
<b>Temperature</b>	
<b>solidification:</b>	approx. 20°C
<b>boiling:</b>	no data available
<b>flash-point:</b>	no data available
<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>	0.97 g/ml at 40°C
<b>Solubility</b>	
<b>in water:</b>	good
<b>in organic solvents:</b>	low aliphatic alcohols
<b>Partition coefficient: n-octanol/water:</b>	no data available
<b>Other properties:</b>	hydroxyl value: 100-114 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>	Causes skin degreasing, contact of undiluted product and its concentrated aqueous solution with skin may cause inflammatory reaction, prolonged skin contact causes irritation
<b>Eye contact</b>	Contact of undiluted product with eyes causes conjunctivitis, eyelid swelling and cornea turbidity
<b>Ingestion</b>	No data available

## 12. Ecological information

<b>Ecotoxicity</b>	No data available
<b>Mobility</b>	Known or predicted distribution in various ecosystem compartments - hardly volatile product, soluble in water, after dissolving in water may penetrate to groundwater Surface tension of a 0.1 % solution – approx. 27 mN/m at 25°C
<b>Persistence and degradability</b>	
Persistence	Primary biodegradation above 87%, 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 71.3%
<b>Bioaccumulation potential</b>	No data available
<b>Other adverse effects</b>	Rokanol DB7 may cause foaming in a wastewater treatment plant

## 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).

## 14. Transport information

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

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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 DB7 should carefully read this Material Safety Data Sheet	
<b>Recommended application restrictions</b>	Recommended to be used in industrial conditions	
<b>Further information can be obtained from</b>	Producer	
<b>Source of information</b>	Industrial practice and 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.