

MATERIAL SAFETY DATA SHEET

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Rokacet KO300G

1. Identification of the substance and of the company

Product name

Trade name: Rokacet KO300G

Application

Non-ionic surfactant used as a hair shampoo, liquid soap, bath foam ingredient with fatliquoring, emulsifying and solubilizing properties.

Rokacet KO300G aqueous solutions are resistant to acids, hard water and partly to alkalis. It can be mixed with non-ionic, cationic and anionic agents both in water-free environments and in aqueous solutions.

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

Chemical name: Ethoxylated partial glycerides of coconut oil acids

Chemical formula: $\text{CH}_2\text{-O}(\text{CH}_2\text{CH}_2\text{O})_x\text{H}$

$\text{CH-O}(\text{CH}_2\text{CH}_2\text{O})_y\text{H}$

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$\text{CH}_2\text{-OCOR}$, where: $x+y \approx 7$, R = coconut oil acid radical

Component names: Ethoxylated partial glycerides of Water
coconut oil acids (min. 99.0% m/m) (max. 1.0% m/m)

Hazard symbol: Not applicable

Index number: –

CAS number(s): 68201-46-7, 66105-29-1

EC Number (EINECS): Polymer

Additional information: INCI name: PEG-7 Glyceryl Cocoate
Synonyms: POE (7) glyceryl monococoate; PEG (7) monococoate

3. Hazards identification

The substance is not hazardous within the meaning of the Regulation of the Minister of Health on the Criteria and Method of Classification of Chemical Substances and Preparations of 2 September 2003 (*Official Journal Dziennik Ustaw* 2003, No. 171, item 1666).

4. First aid measures

Inhalation

Under normal conditions poses no hazard.

Skin contact

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

Eye contact

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

Ingestion

Do not give anything to drink. Do not induce vomiting. Seek medical attention.

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

Due to a high flash point (above 200⁰C), the product is classified as slow-burning. In case of fire, hazardous decomposition gaseous products or fumes may be formed. Cool drums or containers exposed to fire or high temperature with water. 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

Fume emission should be stopped using water spray.

6. Accidental release measures**Personal precautions**

Do not inhale fumes. Avoid contact with the substance.

Environmental precautions

Prevent penetration of large product volumes 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 closed container (non-metal) and recycle or neutralize in compliance with the regulations in force (see sec. 13). Wash the contaminated area thoroughly with water.

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 (polyethylene drums) in a roofed area, at a temperature below 40⁰C. 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. If the product does not comply with the requirements, contact the manufacturer.

Specific applications

Not known.

8. Exposure controls/personal protection**Exposure control parameters**

MAC (TWA) and MAC (C): not specified.

Personal protective equipment:**Respiratory protection**

Required if fumes are formed.

Eye and face protection

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

Hand protection

Rubber or plastic gloves.

Skin protection

Protective clothing.

Hygiene measures

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

9. Physical and chemical properties

Appearance:	oily liquid
Colour:	straw to pale yellow
Odour:	weak, characteristic
pH:	6.0-8.5 (5% aqueous solution)
Temperature	
solidification:	approx. -10 ⁰ C
boiling:	no data available
flash-point:	above 200 ⁰ C
self-ignition:	no data available
Flammability:	slow-burning
Explosive properties	
upper and lower explosion limit:	no data available
Oxidizing properties:	no data available
Vapour pressure:	negligible at room temperature
Relative density:	approximately 1.05 g/ml at 25 ⁰ C
Solubility	
in water:	low, creates emulsion
in organic solvents:	ethanol, isopropanol, acetone
Partition coefficient: n-octanol/water:	no data available
Other properties:	saponification value: 90-100 mg KOH/g hydroxyl value: 170-190 mg KOH/g

10. Stability and reactivity

Stability	Product stable under normal conditions.
Conditions to avoid	During storage avoid temperatures outside the range specified in sec. 7
Materials to avoid	Strong oxidising agents
Hazardous decomposition products	Carbon oxide, organic partial decomposition products
Additional information	No risk of hazardous exothermic reaction

11. Toxicological information

Acute oral toxicity	LD ₅₀ above 20,000 mg/kg (reference data)
Inhalation toxicity	Hot substance fumes cause irritation of upper respiratory tract
Acute dermal toxicity	No data available

Skin contact	Skin contact of the undiluted substance and its concentrated aqueous solutions may cause irritation
Eye contact	Contact of the pure substance with eyes may cause conjunctiva irritation
Ingestion	Ingestion may cause irritation of the digestive system

12. Ecological information

Ecotoxicity	No data available
Mobility	Hardly volatile, slightly soluble in water, forms emulsion, after dissolving in water may penetrate into ground water
Persistence and degradability	
Persistence	Primary biodegradation around 80%, specified in compliance with 82/242/EEC
Degradability	Ultimate aerobic biodegradation specified using the closed bottle method as per Directive 67/548/EEC, Annex V.C.4-E equals 62.9%
Bioaccumulation potential	Does not bioaccumulate
Other adverse effects	Effect on the operation of sewage treatment plants – may cause foam formation

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 waste other than 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

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	Not applicable

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.

16. Other information

List of R-phrases	None
Training required	Customers applying Rokacet KO300G should carefully read this Material Safety Data Sheet
Recommended application restrictions	Product designed only for professional application
Further information can be obtained from	Producer
Source of information	Own research and generally available reference data
Modifications in the sheet	Section 12 (degradability)
Additional information	Information given herein refers solely to the technical product and ceases to be valid after its processing MSDS version: 2

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.