

MATERIAL SAFETY DATA SHEET

Document drafted on: 2005-05-20
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Sulfobursztynian L3/40

1. Identification of the substance and of the company

Product name

Trade name: Sulfobursztynian L3/40

Application

Sulfobursztynian L3/40 is used as a component of cosmetic products, washing agents and household chemical products.

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: Aqueous solution of sulfosuccinate acid monoester ethoxylated lauryl alcohol sodium salt

Molecular formula: $C_{22}H_{40}O_{11}Na_2S$

Component names: Sulfosuccinate acid monoester Water
ethoxylated lauryl alcohol sodium (60% m/m)
salt (40% m/m)

Hazard symbol: X_i; R36

Index number: –

CAS number(s): 39354-45-5

EC Number (EINECS): Polymer

Additional information: INCI name: Disodium laureth-4 sulfosuccinate

3. Hazards identification

Irritant (Xi).

Irritating to eyes (R36)

4. First aid measures

Inhalation

Under normal conditions poses no hazard.

Skin contact

Remove contaminated clothing. Wash affected skin thoroughly with 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 due to strong foaming of the substance). Make sure the respiratory system is non-obstructed. Put the victim in the recovery position. 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 vapours (e.g. produced during a fire) must remain under medical supervision for at least 24-48 hours.

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 respiratory protective equipment.

Additional information

Flammable after evaporation of water.

6. Accidental release measures**Personal precautions**

Avoid contact with the product. Product is soluble in water in all proportions. Use standard personal protective equipment (gloves, goggles). Do not inhale vapours.

Environmental precautions

Prevent penetration into drains or sewage systems, water reservoirs and intakes, ground or surface water and soil by bunding with sand. Wear protective clothing during the rescue operation. Prevent spillage on the roads. Spillage may cause surface to be slippery.

Methods for cleaning / disposal

If possible, eliminate the spillage (e.g. seal tight, place the damaged packaging in an emergency packaging). Contain spillage by bunding. Soak up spillage 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

Spillage may cause surface to be slippery.

7. Handling and storage**Handling**

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

Storage

Store in a tightly closed container in a roofed area, at a temperature in the range from 5 to 30°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.

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 a risk of direct contact is present.

Hand protection

Required – rubber gloves.

Skin protection

Protective clothing.

Hygiene measures

Avoid clothing contamination. Wash hands and face after use. Refrain from eating or drinking at the workplace.

9. Physical and chemical properties

Appearance:	liquid
Colour:	light yellow or yellow
Odour:	characteristic
pH:	5.5-8.5 (1% solution at 20°C)
Temperature	
solidification:	below 0°C
boiling:	above 100°C water is distilled
flash-point:	above 180°C, after evaporation of water
self-ignition:	not applicable
Flammability:	flammable after evaporation of water
Explosive properties	
upper and lower explosion limit:	not applicable
Oxidizing properties:	not applicable
Vapour pressure:	low at 20°C
Relative density:	approx. 1.1 g/cm ³ at 20°C
Solubility	
in water:	unlimited
in organic solvents:	ethyl alcohol, isopropyl alcohol
Partition coefficient: n-octanol/water:	not applicable

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	Product reacts with strong oxidizing agents
Hazardous decomposition products	Carbon oxide, sulphur oxides, organic partial decomposition products

11. Toxicological information

Acute oral toxicity	Practically non toxic, 5 th class of toxicity in the Hodge and Sterner classification
Inhalation toxicity	No data available

Skin contact	Causes skin degreasing, prolonged contact with skin may cause irritation
Eye contact	Solution concentration above 50% causes rabbit eye irritation
Ingestion	No data available
Additional information	Substance shows no allergenic properties

12. Ecological information

Ecotoxicity	No data available
Mobility	Hardly volatile, soluble in water, after dissolving in water may penetrate into ground water
Persistence and degradability	
Persistence	Primary biodegradation around 86.3%, 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 76.8%.
Bioaccumulation potential	No data available
Other adverse effects	Sulfobursztynian L3/40 may cause foaming in a wastewater treatment plant

13. Disposal Considerations

Product

Large spillage of Sulfobursztynian L3/40 (in case of container cracking) should be collected/pumped and recycled. Prevent penetration into ground or surface water. Do not landfill inert waste. Recycle or neutralize waste product 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 by an equivalent cleaning procedure. Best washing results are obtained after emptying of 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 Any means of transport, does not require special precautions
Sea transport IMDG	Limitations resulting from IMDG regulations do not apply
Air transport ICAO-TI and IATA-DGR	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 Irritating to eyes

S-phrases

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

S 39 Wear eye/face protection

16. Other information

List of R-phrases R 36 Irritating to eyes

Training required Customers applying Sulfofobursztynian L3/40 should carefully read this Material Safety Data Sheet

Recommended application restrictions Other usage requires performance of application tests

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 refer solely to the technical product and must not be followed after its processing

MSDS version: 2

Information presented herein has been given based on our most up-to-date knowledge and it describes the product in terms of health care, environment protection and safe handling requirements. It is not meant to be interpreted as a guarantee of specific properties of the product.