Safety data sheet

according to Directive (EC) no. 1907/2006 (REACH) and Directive (EU) no. 830/2015

Trading name: Expanding module (small/large)

Created on: 23.10.2015

Changed on: 24.05.2018

Number of pages: 7

1. Designation of the substance of the mixture and the company

1.1 Product identifier

Trading name: Expanding module (small/large)
Article number: 7203846 / 7203849
Type: VMS-QMK 1 / VMS-QMG 1

CAS number:
9004-34-6

EC number:
232-674-9

1.2 Relevant identified uses of the substance or mixture and uses we would not recommend

Identified use
Semi-finished product. Expanding modules to created the lost linings in the PYROLIQ® casting compound system

Uses we would not recommend
No other relevant information available.

1.3 Details on the supplier providing the safety data sheet

Manufacturer/supplier
OBO Bettermann Holding GmbH & Co. KG
P.O. Box 1120
58694 Menden
Germany

Division providing information
Customer Service
Tel.: +49 (0)2373 89-1700
E-mail: export@obo.de

1.4 Emergency telephone number

REACH Registration of Chemicals GmbH
Tel.: +49 (0)700 2411 2112 (OBO)

2. Possible risks

2.1 Categorisation of substance or mixture

EC ordinance 1272/2008 (CLP)
The product is not classified according to the CLP ordinance.

2.2 Labelling elements

EC ordinance 1272/2008 (CLP)

Hazard pictograms
N/A

OPTO 180290

Signal word
N/A

Risk information
N/A

2.3 Other risks

Results of PBT and vPvB assessment
PBT: N/A.
vPvB: N/A.

3. Composition/details of component parts

3.1 Substances

Chemical characteristics:
Substances

CAS no. designation
9004-34-6 Cellulose

ID number(s)
EC number: 232-674-9

3.2 Mixtures

4. First aid measures

4.1 Description of the first aid measures

General information

No special measures required.

After inhalation
Fresh air, seek medical attention should symptoms persist.

After skin contact
Generally, the product does not irritate skin.

After eye contact
With the eyelids open, rinse eyes under running water for several minutes.

After ingestion
If feeling unwell for longer periods of time, consult a doctor.

4.2 Most important acute and delayed symptoms and effects
No other relevant information available.

4.3 Information for immediate medical aid or special treatment
No other relevant information available.

5. Fire protection measures

5.1 Extinguishing media

Suitable extinguishing media
Agree fire extinguishing measures to the environment.

5.2 Special hazards arising from the substance or mixture
No other relevant information available.

5.3 Advice for firefighters
No special measures required.

6. Measures in the case of unintentional release

6.1 Personal precautions, protective equipment and emergency procedures

Not required.

6.2 Environmental protection measures

No special measures required.

6.3 Methods and material for retention and cleaning

Collect mechanically.

6.4 Reference to other sections

No hazardous substances are released.
For information on safe handling, see Chapter 7.
For information on personal protective equipment, see Chapter 8.
For disposal information, see Chapter 13.

7. Handling and storage

7.1 Protective measures for safe handling

No special measures required.

Information on fire and explosion protection

No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Information on storage conditions

Requirements for storage rooms and containers:

No special requirements necessary.

Joint storage information

Store separately from foods.

Storage class:

Classification according to operating safety ordinance (BetrSichV): –

7.3 Specific end applications

No other relevant information available.

8. Limitation and monitoring of the exposure/personal protective equipment

Additional information on the design of technical systems:

No further data, see Chapter 7.

8.1 Parameters to be monitored

Components with workplace-related limit values to be monitored:

N/A.

Additional information:

The basis was the lists compiled during creation.

8.2 Limitation and monitoring of exposure

Personal protective equipment:

General protection and hygiene measures:

Observe the normal precautionary measures for handling chemicals.

Respiratory protection:

Not required.

Hand protection:

Not required.

The glove material must be impermeable and resistant to the product/the substance/the preparation.

Due to missing tests, it is not possible to recommend a glove material for the product/the preparation/the chemical mixture.

The selection of the glove material must include observance of the penetration times, permeation rates and degradation.

Glove material

The selection of a suitable glove is not only dependent on the material, but on other quality characteristics, and differs from one manufacturer to another.

Penetration time of the glove material

Contact the protective glove manufacturer for the exact penetration time, which must be complied with.

Eye protection:

Not required.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Form: Solid

Colour: Yellow

Odour: Odourless

Odour threshold: N/D.

pH value: 5–7.5

Change of state

- Melting point/melting range: N/D.
- Boiling point/boiling range: N/D.

Ignition point: N/A.

Flammability (solid, gaseous): The substance is not flammable.

Ignition temperature: 340 °C

Decomposition temperature: Not determined.

Self-ignition: Not determined.

Risk of explosion: This product poses no risk of explosion.

Explosion limits

- Lower: Not determined.
- Upper: Not determined.

Vapour pressure at 20 °C: 0 hPa

Density at 20 °C: 0.38 g/cm³

Relative density: Not determined.

Vapour density: N/A.

Vaporisation speed: Not applicable.

Solubility/mixability in water: Insoluble

Distribution coefficient (n-octanol/water): Not determined.

Viscosity:

- Dynamic: N/A.
- Kinematic: N/A.

Solvent content

- Organic solvents: 0.0%
- VOC (EU): 0.00%

Solid matter content: 100.0%

9.2 Other data

No other relevant information available.

10. Stability and reactivity

10.1 Reactivity

No other relevant information available.

10.2 Chemical stability

Thermal decomposition/conditions to be avoided:

No decomposition if used correctly.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

No other relevant information available.

10.5 Incompatible materials

No other relevant information available.

10.6 Hazardous decomposition products

No other relevant information available.

11. Toxicological data

11.1 Data on toxicological effects

Acute toxicity

On the basis of the available data, the classification criteria are not fulfilled.

Primary irritant effect:

Corrosive/irritating to the skin

On the basis of the available data, the classification criteria are not fulfilled.

Serious eye damage/irritation

Avoid contact with the eyes.

Sensitisation of the airways/skin

On the basis of the available data, the classification criteria are not fulfilled.

CMS impacts (carcinogenic, DNA-modifying and reproductive system impact)

- Germ cell mutagenicity: On the basis of the available data, the classification criteria are not fulfilled.
- Carcinogenicity: On the basis of the available data, the classification criteria are not fulfilled.
- Reproductive toxicity: On the basis of the available data, the classification criteria are not fulfilled.

Specific target organ toxicity with single exposure

On the basis of the available data, the classification criteria are not fulfilled.

Specific target organ toxicity with repeated exposure

On the basis of the available data, the classification criteria are not fulfilled.

Aspiration risk

On the basis of the available data, the classification criteria are not fulfilled.

12. Environmental data

12.1 Toxicity

Aquatic toxicity

No other relevant information available.

12.2 Persistence and degradability

No other relevant information available.

12.3 Bioaccumulation potential

No other relevant information available.

12.4 Mobility in soil

No other relevant information available.

Additional ecological information:

General information:

Generally non-hazardous to water.

12.5 Results of PBT and vPvB assessment

PBT: N/A.

vPvB: N/A.

12.6 Other adverse effects

No other relevant information available.

13. Disposal information

13.1 Waste treatment method

Recommendation:

Smaller quantities can be deposited together with domestic waste.

Soiled packaging

Recommendation:

Disposal according to official regulations.

14. Transport information

14.1 UN number

ADR, ADN, IMDG, IATA

N/A

14.2 Current UN shipment designation

ADR, ADN, IMDG, IATA

N/A

14.3 Transport risk classes

ADR, ADN, IMDG, IATA

Class

N/A

14.4 Packaging group

ADR, IMDG, IATA

N/A

14.5 Environmental risks

Marine pollutant: No

14.6 Special precautionary measures for the user

N/A.

14.7 Mass good transportation according to Appendix II of the MARPOL agreement 73/78 and according to the IBC code

N/A.

UN "Model Regulation":

N/A

15. Legal specification

15.1 Specifications regarding safety, health and environmental protection/specific legal specifications for the substance or the mixture

Labelling according to ordinance (EU) No. 1272/2008

N/A

Hazard pictograms

N/A

Signal word

N/A

Risk information

N/A

Directive 2012/18/EU

Hazardous substances listed by name – APPENDIX I:

The substance is not present.

National specifications

Water hazard class:

Generally non-hazardous to water.

15.2 Chemical safety assessment

A chemical safety assessment was not carried out.

16. Other data

This data is provided according to our latest knowledge, but does not constitute any assurance of product characteristics or justify any legal relationship.

Data sheet of issuing area

Department: Technical documentation

Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative