

Safety data sheet

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



Trading name: Sealing compound for external use,
component A (resin)

Created on: 23.10.2015

Changed on: 24.05.2018

Number of pages: 8

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

1.1 Product identifier

Trading name: Sealing compound for external use, component A (resin)

Item number: 7203858

Type: VMS-VA 1

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

Identified use

Polyurethane resin. Moisture-resistant casting for cable glands and cable insulation, as well as electrical and mechanical components (e.g. busbars). For use 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)

Aquatic Chronic 3 H412 Harmful to aquatic life with long-lasting effects.

2.2 Labelling elements

EC ordinance 1272/2008 (CLP)

The product is classified and labelled according to the CLP ordinance.

Hazard pictograms

N/A.

Signal word

N/A.

Risk information

H412 Harmful to aquatic life with long-lasting effects.

Safety information

P273 Avoid release to the environment.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

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**

This product is a mixture.

3.2 Mixtures**Description**

Mixture of the substances listed below with non-hazardous additions.

Hazardous contents

CAS: 26444-49-5 EINECS: 247-693-8	Kresyldiphenylphosphate  Aquatic Acute 1, H400; Aquatic Chronic 1, H410	<2.5%
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Additional information

The actual text of the listed hazard information can be found in Section 16.

4. First aid measures**4.1 Description of the first aid measures****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

Special protective equipment: 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

Inform responsible authorities on entry into waterways or sewer system.

Do not let the product enter the sewerage system/surface water/groundwater.

6.3 Methods and material for retention and cleaning

Collect the product with liquid-binding material (e.g. sand, diatomaceous earth, acid binder, universal binder, sawdust).

6.4 Reference to other sections

For information on safe handling, see Section 7.

For information on personal protective equipment, see Section 8.

For disposal information, see Section 13.

7. Handling and storage

7.1 Protective measures for safe handling

No special measures required if used properly.

Information on fire and explosion protection

No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and containers

No special measures required.

Joint storage information

Store separately from foods.

Additional information on storage conditions

None.

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

8.1 Parameters to be monitored

Components with workplace-related limit values to be monitored

26444-49-5 Kresyldiphenylphosphate	
MAK	cf. Sect. IIb

Additional information

The basis was the lists compiled during creation.

Additional information on the design of technical systems

No further data, see Section 7.

8.2 Limitation and monitoring of exposure

General protection and hygiene measures

Wash your hands before breaks and after completing work.

Personal protective equipment

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 manufacturer to manufacturer. As the product is a combination of multiple substances, the resistance of glove materials cannot be calculated in advance and must therefore be checked before use.

Penetration time of the glove material

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

Eye protection

On refilling, protective goggles recommended.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Form: Suspension

Colour: Brown

Odour: Characteristic

Odour threshold: Not determine

Safety-relevant data

pH value: Not determined

Melting point/melting range: Not determined

Boiling point/boiling range: > 200 °C

Ignition point: > 200 °C

Flammability (solid, gaseous): Not applicable

Ignition temperature: 460 °C

Decomposition temperature: Not determined

Self-ignition: This product does not self-ignite.

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

Upper explosion limit: 11.5 vol. %

Lower explosion limit: 2.1 vol. %

Vapour pressure at 20 °C: 23 hPa

Density at 20 °C: 1.62 g/cm³

Relative density: Not determined

Vapour density: Not determined

Vaporisation speed: Not determined

Solubility/mixability in water: Not or barely mixable.

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

Viscosity, dynamic at 20 °C: 30,000 mPas

Viscosity, kinematic: Not determined

Solvent content, organic solvents: 0.3%

Solid matter content: 60.5%

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 dangerous decomposition products known.

11. Toxicological data

11.1 Data on toxicological effects

Acute toxicity

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

Categorisation-relevant LD/LC50 values

Oral LD 50 5,800 mg/kg (mouse)

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)

Gamete 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.

Ecotoxic impacts

Note: Harmful to fish.

Additional ecological information

General information

Water hazard class 1 (self-categorisation): Slightly hazardous to water

Do not let the product enter the groundwater, waterways or sewerage system, either undiluted or in large quantities.

Harmful to aquatic organisms

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

May not be disposed of together with domestic waste. Do not let them enter the sewerage system.

European Waste Directory

07 02 08* Other still bottoms and reaction residues

Uncleaned packaging

Recommendation: Disposal according to official regulations.

Recommended cleaning agent: K 926

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.

Stowage Category 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

The product is classified and labelled according to the CLP ordinance.

Hazard pictograms: N/A

Signal word: N/A

Risk information

H412 Harmful to aquatic life with long-lasting effects.

Safety information

P273 Avoid release to the environment.

P 501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Directive 2012/18/EU

Hazardous substances listed by name – APPENDIX I Does not contain any of the contents.

ORDINANCE (EC) No. 1907/2006 APPENDIX Restriction conditions: 3

National specifications:

Technical instructions on air: Class NK, proportion in % 0.3

Water hazard class: WGK 1 (self-categorisation): Slightly 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 provide any guarantee of product properties and does not provide any legal guarantee.

Data sheet of issuing area

Department: Technical documentation

Relevant statements

H400 Very toxic to aquatic life.

H410: Very toxic to aquatic life with long-lasting effects.

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

ELINCS: European List of Notified Chemical Substances

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

GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50 per cent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Aquatic Acute 1: Hazardous to the aquatic environment – Acute Hazard, Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment – Chronic Hazard, Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment – Chronic Hazard, Category 3