

Safety data sheet

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

Trading name: Sealing compound,
component A (resin)



Created on: 23.10.2015

Changed on: 25.05.2018

Number of pages: 10

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

1.1 Product identifier

Trading name: Sealing compound, component A (resin)

Item number: 7203864

Type: VMS-VW 1

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

Identified use

Epoxy resin. Moisture-resistant casting for cable glands and cable insulation. 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

Categorisation according to Directive (EU) no. 1272/2008



GHS09 Environment

Aquatic Chronic 2 H411: Toxic to aquatic life with long-lasting effects.



GHS07

Skin Irrit. 2 H315: Causes skin irritation.
 Eye Irrit. 2 H319: Causes serious eye irritation.
 Skin Sens. 1 H317: May cause allergic skin reactions.

2.2 Labelling elements

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

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

Hazard pictograms



GHS 07 GHS 09

Signal word

Caution

Hazardous components for labelling

Reaction product: Bisphenol-A-epichlorhydrin epoxy resin with average molecular weight ≤ 700

Risk information

H315: Causes skin irritation.
 H319: Causes serious eye irritation.
 H317: May cause allergic skin reactions.
 H411: Toxic to aquatic life with long-lasting effects.

Safety information

P261: Avoid inhalation of dust/smoke/gas/mist/vapour/aerosol.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P302+P352: IN CASE OF CONTACT WITH SKIN: Wash with plenty of water.
 P321: Specific treatment (see ... on this label).
 P305+P351+P338: IN CASE OF CONTACT WITH THE EYES: Rinse cautiously with water for several minutes. Remove any contact lenses where possible. Continue rinsing.
 P362+364: Take off contaminated clothing. Wash contaminated clothing before reuse.

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

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

Hazardous contents:		
CAS: 25068-38-6 NLP: 500-033-5	Reaction product: Bisphenol-A-epichlorhydrin epoxy resin with average molecular weight ≤ 700 Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	>40–<50%

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

Ensure a good supply of fresh air and, to be on the safe side, contact a doctor.

If unconscious, position and transport the patient in the recovery position.

After skin contact

Wash off immediately with soap and water and rinse well.

After eye contact

With the eyelids open, rinse eyes under running water for several minutes. If feeling unwell for longer periods of time, consult a doctor.

After ingestion

Take medicinal carbon.

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:

Wear a full protection suit.

Wear breathing protection which works independently of the ambient air.

6. Measures in the case of unintentional release

6.1 Personal precautions, protective equipment and emergency procedures

Ensure sufficient ventilation.

Wear personal protective clothing.

Use breathing protection if there is a risk of vapours/dust/aerosols.

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).

Ensure sufficient ventilation.

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

Keep the containers closed tightly.

Protect against heat and direct sunlight.

Use only in well-ventilated areas.

When refilling larger quantities without a suction system: Breathing protection.

Ensure good ventilation/extraction at the workstation.

Avoid aerosol formation.

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 requirements.

Joint storage information:

Store separately from foods.

Additional information on storage conditions:

Keep the containers closed tightly.

Storage class:

Classification according to operating safety directive (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 Section 7.

8.1 Parameters to be monitored

Components with workplace-related limit values to be monitored:

The product does not contain relevant quantities of substances with workplace-related limit values to be monitored.

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:

Keep away from food, drinks and feed.

Take off soiled, saturated clothing immediately.

Wash your hands before breaks and after completing work.

Avoid contact with the eyes and skin.

Respiratory protection

Not required with good room ventilation.

Breathing protection only for aerosol or mist formation.

For short-term or low exposure with breathing filter device; in cases of intensive or longer exposure, use a breathing protection device which works independently of the ambient air.

Hand protection

Not required.



Protective gloves

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



Tightly closed protective glasses

Physical protection

Protective work clothing

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Form: Liquid

Colour: Brown

Odour: Mild

Odour threshold: N/D.

Safety-relevant data

pH value: Not determined.

Change of state

- Melting point/melting range: N/D.
- Boiling point/boiling range: >200 °C

Ignition point: >130 °C

Flammability (solid, gaseous): Not applicable.

Ignition temperature:

Decomposition temperature: Not determined.

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

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

Explosion limits:

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

Vapour pressure: Not determined.

Density at 20 °C: 1.5 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: 33,000 mPas
 - Kinematic: Undetermined.
- Solvent content:
- Organic solvents: 0.0%
 - 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 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.

Primary irritant effect:

Corrosive/irritating to the skin

Causes skin irritation.

Serious eye damage/irritation

Avoid contact with the eyes.

Causes serious eye irritation.

Sensitisation of the airways/skin

May cause an allergic skin reaction.

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.

Ecotoxic impacts:

Note: Toxic to fish.

Additional ecological information:

General information:

Water hazard class 2 (self-categorisation): Hazardous to water

Do not let the product enter the groundwater, the waterways or the sewerage system.

Hazardous to drinking water, even when small quantities escape into the soil.

In waterways, also toxic to fish and plankton.

Toxic 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 reactions and distillation residues

Soiled packaging

Recommendation:

Disposal according to official regulations.

Recommended cleaning agent:

Alcohol

14. Transport information

14.1 UN number

ADR, IMDG, IATA

UN3082

14.2 Current UN shipment designation

ADR

3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Reaction product: Bisphenol-A-epichlorohydrin epoxy resin (number average molecular weight ≤ 700))

IMDG

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight ≤ 700)), MARINE POLLUTANT

IATA

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorohydrin) epoxy resin (number average molecular weight ≤ 700))

14.3 Transport risk classes

ADR, IMDG, IATA

Class: 9

Various hazardous substances and objects

Hazard label: 9

14.4 Packaging group

ADR, IMDG, IATA

III

14.5 Environmental risks

The product contains substances hazardous to the environment: Reaction product: Bisphenol-A-epichlorohydrin epoxy resin with average molecular weight ≤ 700

Marine pollutant:

Yes

Symbol (fish and tree)

Special labelling (ADR):

Symbol (fish and tree)

Special labelling (IATA):

Symbol (fish and tree)

14.6 Special precautionary measures for the user

Caution: Various hazardous substances and objects

Kemler number:

90

EMS number:

F-A,S-F

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

N/A.

Transport/additional information:

ADR

Limited quantity (LQ)

5 l

Transport category

3

Tunnel limitation code

E

UN "Model Regulation":

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Reaction product: Bisphenol-A-epichlorohydrin epoxy resin (number average molecular weight ≤ 700), 9, III

15. Legal specification

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

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

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

Hazard pictograms



GHS07 GHS09

Signal word

Caution

Hazardous components for labelling:

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Risk information

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Safety information

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P280: Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352: IN CASE OF CONTACT WITH SKIN: Wash with plenty of water.

P321: Specific treatment (see ... on this label).

P305+P351+P338: IN CASE OF CONTACT WITH THE EYES: Rinse cautiously with water for several minutes. Remove any contact lenses where possible. Continue rinsing.

P321: Specific treatment (see ... on this label).

P362+P364: Take off contaminated clothing. Wash contaminated clothing before reuse.

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

National specifications – Germany

Water hazard class:

WHC 2 (Self-categorisation): Very 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.

Relevant statements

H315: Causes skin irritation.

H317: May cause allergic skin reactions.

H319: Causes serious eye irritation.

H411: Toxic to aquatic life with long-lasting effects.

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

ELINCS: European List of Notified Chemical Substances

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

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

Skin Sens. 1: Sensitisation – Skin, Hazard Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment – Chronic Hazard, Category 2