Safety data sheet

according to Directive (EC) no. 1907/2006 and Directive (EU) no. 453/2010 (REACH)

Trading name: Pipe insulation strip VMS-RS

Created on: 13.06.2018

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Number of pages: 8

1. Material/preparation and company designation

1.1 Product identifier

Trading name: Pipe insulation strip

Article number: 7203870

Type: VMS-RS

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

Fire protection material

Intumescent insulation forming strip for the application in sealing compound systems when feeding through flammable pipes.

1.3 Manufacturer/supplier

OBO Bettermann Holding GmbH & Co. KG

P.O. Box 1120

58694 Menden

Germany

1.4 Division providing information

Customer Service

Tel.: +49 2373 89 - 1700

export@obo.de

1.5 Emergency telephone number

REACH Registration of Chemicals GmbH

Tel.: +49 (0)700 24112112 (OBO)

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

GHS08 health hazard

Repr. 2:	H361 Suspected of damaging fertility or the unborn child.
Aquatic Chronic 3	H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008

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

OPTO 180290

Hazard pictograms

GHS08

Signal word

Warning

Hazard-determining components of labelling

boron zinc hydroxide oxide

Hazard statements

H361	Suspected of damaging fertility or the unborn child.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements

P201	Obtain special instructions before use.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards

Results of PBT and vPvB assessment:

- PBT: Not applicable.
- vPvB: Not applicable.

3. Composition/information on ingredients

3.1 Chemical characterisation: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components		
CAS: 138265-88-0	boron zinc hydroxide oxide	10.0 - 15.0 %
	Repr. 2, H361; Aquatic Acute 1, H400; Aquatic Chronic 2, H411	
CAS: 26444-49-5 EINECS: 247-693-8	diphenyl tolyl phosphate	< 2.5%
	Aquatic Acute 1, H400; Aquatic Chronic 1, H410	

Additional information

For the wording of the listed hazard phrases refer to section 16.

4. First aid measures

4.1 Description of the first aid measures

After inhalation

Supply fresh air; consult doctor in case of complaints.

After contact with skin

Immediately rinse with water.

After contact with eyes

Rinse opened eye for several minutes under running water.

After swallowing

f symptoms persist consult doctor.

4.2 Most important acute or delayed symptoms and effects

No further relevant information available.

4.3 Information for immediate medical aid or special treatment

No further relevant information available.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents

- CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture

No further relevant information available.

5.3 Advice for firefighters

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 respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for retention and cleaning

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

6.4 Reference to other sections

No dangerous substances are released.
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

7. Handling and storage

7.1 Precautions for safe handling

No special precautions are necessary if used correctly.

Information about 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.

Further information about storage conditions

None.

7.3 Specific end use(s)

No further relevant information available.

8. Exposure controls/personal protection

Additional information about design of technical facilities:

No further data; see item 7

8.1 Parameters to be monitored

Ingredients with limit values that require monitoring at the workplace

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information:

The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protection equipment

-

General protective and hygienic measures:

Wash hands before breaks and at the end of work.

Respiratory protection

Not required.

Protection of hands

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection

Goggles recommended during refilling

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:

Physical state/form: fluid

Colour: black

Odour: characteristic

Odour treshold: Not determined

pH-value: Not determined

Change in condition

Melting point/feezing point: Undetermined

Initial boiling point and boiling range: Undetermined

Flash point: Not applicable

Flammability (solid, gas): Not applicable
Decomposition temperature: Not determined
Auto-ignition temperature: Product is not selfigniting.
Explosive properties: Product does not present an explosion hazard.
Lower explosion limits: Not determined
Upper explosion limits: Not determined
Vapour pressure: Not determined
Density at 20 °C: 1.46 g/cm³
Relative density: Not determined
Vapour density: Not determined
Evaporation date: Not determined
Solubility in / Miscibility with water: Not miscible or difficult to mix.
Partition coefficient: n-octanol/water: Not determined
Viscosity:

- Dynamic at 20 °C: 25.000 mPas
- Kinematic: Not determined

Solvent content:
Organic solvents: 0.0 %

9.2 Other data
No further relevant information available.

10. Stability and reactivity

10.1 Reactivity
No further relevant information available.

10.2 Chemical stability
Thermal decomposition / conditions to be avoided
No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions
No dangerous reactions known

10.4 Conditions to avoid
No further relevant information available.

10.5 Incompatible materials
No further relevant information available.

10.6 Hazardous decomposition products
No dangerous decomposition products known.

11. Toxicological data

11.1 Data on toxicological effects
Acute toxicity: Based on available data, the classification criteria are not met.
Primary irritant effect: Skin corrosion/irritation Based on available data, the classification criteria are not met.
Serious eye damage/irritation: avoid contact with eyes
Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)

- Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- Carcinogenicity: Based on available data, the classification criteria are not met.
- Reproductive toxicity: Suspected of damaging fertility or the unborn child.

STOT-single exposure: Based on available data, the classification criteria are not met.

STOT-repeated exposure: Based on available data, the classification criteria are not met.
Aspiration hazard: Based on available data, the classification criteria are not met.

12. Environmental data

12.1 Toxicity

Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability

No further relevant information available.

12.3 Bioaccumulation potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

Ecotoxical effects:

- Remark: Harmful to fish
- Additional ecological information:
- General notes:
  Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
  Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
  Harmful to aquatic organisms

12.5 Results of PBT and vPvB assessment

- PBT: Not applicable.
- vPvB: Not applicable.

12.6 Other adverse effects

No further relevant information available.

13. Disposal information

13.1 Waste treatment methods

Recommendation

Must be specially treated adhering to official regulations.
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue

07 02 08: other still bottoms and reaction residues

Uncleaned packaging

Recommendation: Disposal must be made according to official regulations.

14. Transport information

Land transport (ADR/RID); Marine transport (IMDG); Air transport (ICAO); Inland waterways transport (ADN)

14.1 UN number

ADR, ADN, IMDG, IATA: Void

14.2 UN proper shipping name

AADR, ADN, IMDG, IATA: Void

14.3 Transport hazard classes

ADR, ADN, IMDG, IATA: Void

14.4 Packaging group

ADR, IMDG, IATA: Void

14.5 Environmental hazards:

Marine pollutant: No

14.6 Special precautions for user

Not applicable.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable.

UN “Model Regulation”: Void

15. Legal specification

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulatory information

Labelling according to Regulation (EC) No 1272/2008

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

Hazard pictograms

GHS08

Signal word

Warning

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Hazard statements

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

15.2 Chemical safety assessment

A Chemical Safety Assessment has not been carried out.

16. Other data

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Department issuing data sheet

Technical documentation

Relevant phrases

H361	Suspected of damaging fertility or the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	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)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Repr. 2: Reproductive toxicity – Category 2

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3