

Safety data sheet

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



Trading name: PYROSIT® NG

Created on: 19.12.2013 Changed on: 05.04.2024

Version: 13.0 Replaces version: 12.0

Number of pages: 10

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

1.1 Product identifier

Trading name: Fire protection foam PYROSIT® NG
Article number: 7203800
Type: FBS-S

1.2 Relevant identified uses of the substance or mixture and uses advised against

General use:

Polyol compound for the production of polyurethane.
For industrial purposes only

1.3 Details of the supplier of the safety data sheet

Manufacturer/supplier

OBO Bettermann Holding GmbH & Co. KG
P.O. Box 1120
58710 Menden
Germany

Division providing information

Customer Service
Tel.: +49 2373 89 - 17 00
E-Mail: info@obo.de

1.4 Emergency telephone number

REACH Registration of Chemicals GmbH
Tel.: +49 (0)700 24112112 (OBO)
Tel.: +1 872 5888271 (OBO)

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

Carc. 2; H351 Suspected of causing cancer.
Repr. 2; H361f Suspected of damaging fertility.

2.2 Label elements

Labelling (CLP)



Signal word

Warning

Hazard statements

H351 Suspected of causing cancer.
 H361f Suspected of damaging fertility.

Sicherheitshinweise

P201 Obtain special instructions before use.
 P280 Wear protective gloves/protective clothing/eye protection.
 P308+P313 IF exposed or concerned: Get medical advice/attention.
 P501 Dispose of contents/container to hazardous or special waste collection point.

Special labelling

Text for labelling: Contains Melamine

2.3 Other hazards

Special danger of slipping by leaking/spilling product.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

No data available

3. Composition/information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

Chemical characterisation:

Mixture on the basis of Polyether polyol.

Hazardous ingredients:

Identifiers	Designation	Content	Classification
EG No. 203-615-4 CAS 108-78-1	Melamine (SVHC)	< 10 %	Carc. 2; H351. Repr. 2; H361f. STOT RE 2; H373.

Full text of H- and EUH-statements:

see section 16.

Additional information:

Contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: Melamine (Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health); Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment))

Contains Aluminium hydroxide, pentaerythritol, Diiron trioxide.

The maximum workplace exposure limits are, where necessary, listed in section 8.

4. First aid measures

4.1 Description of first aid measures

General information

If medical advice is needed, have product container or label at hand. Take off contaminated clothing and wash it before reuse.

In case of inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention if problems persist.

Following skin contact

Immediately clean with water and soap and, if available, apply a generous amount of polyethylene glycol 400. In case of skin reactions, consult a physician.

After eye contact

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. In case of troubles or persistent symptoms, consult an ophthalmologist.

After swallowing

Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

Product causes irritation of respiratory tracts and may possibly increase sensitivity of skin and respiratory tracts. Treatment of the acute irritation or bronchial narrowing is mainly symptomatic. Depending on the scale of exposition, as well as aches and pains resulting, long-term medical care may be required.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam, extinguishing powder, carbon dioxide
In case of large fires: water spray jet

Extinguishing media which must not be used for safety reasons

Full water jet

5.2 Special hazards arising from the substance or mixture

May form dangerous gases and vapours in case of fire.
Furthermore, there may develop: nitrogen oxides (NO_x), carbon monoxide and carbon dioxide

5.3 Advice for firefighters

Special protective equipment for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information

Heating causes rise in pressure with risk of bursting.

Cool endangered containers with water spray and, if possible, remove from danger zone.

Remove persons not involved upwind.

Do not allow water used to extinguish fire to enter drains, ground or waterways.

Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Avoid exposure. Do not breathe mist/vapours/spray. Avoid contact with the substance.

If possible, eliminate leakage. Provide adequate ventilation.

Wear appropriate protective equipment. Keep unprotected people away.

Take off contaminated clothing and wash it before reuse.

6.2 Environmental precautions

Do not allow to penetrate into soil, waterbodies or drains.

If necessary notify appropriate authorities.

6.3 Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal. Final cleaning.

Additional information

Special danger of slipping by leaking/spilling product.

6.4 Reference to other sections

Refer additionally to section 8 and 13.

7. Handling and storage

7.1 Precautions for safe handling

Advices on safe handling

Obtain special instructions before use.

Provide adequate ventilation, and local exhaust as needed.

Avoid contact with skin and eyes. Wear appropriate protective equipment.

Do not breathe mist/vapours/spray. Take off contaminated clothing and wash it before reuse. Have eye wash bottle or eye rinse ready at work place.

Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

Precautions against fire and explosion:

Keep away from heat.

When handling larger quantities, take precautionary measures against electrostatic charging.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers

Keep containers tightly closed and at a temperature between 5 °C and 30 °C. Keep in a cool, well-ventilated place. Keep container dry. Protect from humidity and water.

Hints on joint storage

Keep away from food, drink and animal feedingstuffs.

7.3 Specific end use(s)

No information available.

8. Exposure controls/personal protection

8.1 Control parameters

Additional information

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Provide good ventilation and/or an exhaust system in the work area.

Personal protection equipment

Occupational exposure controls:

Respiratory protection:



Respiratory protection must be worn whenever the WEL levels have been exceeded. Use combination filter type A2-P2 according to EN 14387. The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product.

Hand protection:



Protective gloves according to EN 374. Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection:



Tightly sealed goggles according to EN ISO 16321-1:2022.

Body protection:



Wear suitable protective clothing.

General protection and hygiene measures:

Obtain special instructions before use.

Avoid contact with the substance.

Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

Take off contaminated clothing and wash it before reuse.

Have eye wash bottle or eye rinse ready at work place.

Environmental exposure controls

Refer to „6.2 Environmental precautions“.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state at 20 °C and 101.3 kPa: liquid

Colour:	red brown
Odour:	characteristic
Odour threshold:	No data available
Melting point/freezing point:	not determined
Initial boiling point and boiling range:	not determined
Flammability:	not determined
Upper/lower flammability or explosive limits:	LEL (Lower Explosion Limit): not applicable
UEL (Upper Explosive Limit):	not applicable
Flash point/flash point range:	not applicable
Decomposition temperature:	No data available
pH:	8.3
Viscosity, dynamic:	not relevant
Water solubility:	practically insoluble
Partition coefficient: n-octanol/water:	not determined
Vapour pressure:	at 25 °C: <= 0.00001 kPa
Density:	approx. 1.3 g/mL
Vapour density:	No data available
Particle characteristics:	Not applicable

9.2 Other information

Explosive properties:	No data available
Oxidizing characteristics:	No data available
Auto-ignition temperature:	not applicable
Bulk density:	not applicable
Evaporation rate:	No data available

10. Stability and reactivity

10.1 Reactivity

Refer to subsection „Possibility of hazardous reactions“.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

Protect from moisture contamination. Protect from direct sunlight. Protect from frost. Keep away from heat sources, sparks and open flames.

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

No decomposition when used properly.

Thermal decomposition

No data available

11. Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Toxicological effects

The statements are derived from the properties of the single components. No toxicological

data is available for the product as such.
Acute toxicity (oral): Lack of data.
Acute toxicity (dermal): Lack of data.
Acute toxicity (inhalative): Lack of data.
Skin corrosion/irritation: Lack of data.
Serious eye damage/irritation: Lack of data.
Sensitisation to the respiratory tract: Lack of data.
Skin sensitisation: Lack of data.
Germ cell mutagenicity/Genotoxicity: Lack of data.
Carcinogenicity: Carc. 2; H351 = Suspected of causing cancer.
Reproductive toxicity: Repr. 2; H361f = Suspected of damaging fertility.
Effects on or via lactation: Lack of data.
Specific target organ toxicity (single exposure): Lack of data.
Specific target organ toxicity (repeated exposure): Lack of data.
Aspiration hazard: Lack of data.

11.2 Information on other hazards

Endocrine disrupting properties:

No data available

Other information:

No data available

12. Ecological information

12.1 Toxicity

Further details:

No data available

12.2 Persistenz und Abbaubarkeit

Further details:

No data available

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:

not determined

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

No data available

12.6 Endocrine disrupting properties

No data available

12.7 Other adverse effects

General information

Do not allow to penetrate into soil, waterbodies or drains.

13. Disposal considerations

13.1 Waste treatment methods

Product

Waste key number: 08 04 09* = Waste adhesives and sealants containing organic solvents or other dangerous substances
* = Evidence for disposal must be provided.

Recommendation: Dispose of waste according to applicable legislation.

Package

Waste key number: 15 01 02 = Plastic packaging
Recommendation: Dispose of waste according to applicable legislation.
Handle contaminated packages in the same way as the substance itself. Non-contaminated packages may be recycled.

14. Transport information

14.1 UN number or ID number

ADR/RID, ADN, IMDG, IATA-DGR: not applicable

14.2 UN proper shipping name

ADR/RID, ADN, IMDG, IATA-DGR: Not restricted

14.3 Transport hazard class(es)

ADR/RID, ADN, IMDG, IATA-DGR: not applicable

14.4 Packing group

ADR/RID, ADN, IMDG, IATA-DGR: not applicable

14.5 Environmental hazards

Dangerous for the environment:

Substance/mixture is not environmentally hazardous according to the criteria of the UN model regulations.

Marine pollutant - IMDG:

no

14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

14.7 Maritime transport in bulk according to IMO instruments

No data available

15. Regulatory information

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

National regulations - EC member states:

Further regulations, limitations and legal requirements:

Use restriction according to REACH annex XVII, no.: 3, 75

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

16. Other information

Wording of the H-phrases under paragraph 2 and 3:

H351 = Suspected of causing cancer.

H361f = Suspected of damaging fertility.

H373 = May cause damage to organs through prolonged or repeated exposure.

Reason of change:

Changes in section 2: classification, labelling

Changes in section 3: Composition/information on ingredients

Changes in section 15: Regulatory information

General revision

General revision

Date of first version:

19/12/2013

Department issuing data sheet:

Technical Documentation

Abbreviations and acronyms:

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

AS/NZS: Australian Standards/New Zealand Standards

Carc.: Carcinogenicity

CAS: Chemical Abstracts Service

CFR: Code of Federal Regulations

CLP: Classification, Labelling and Packaging

DMEL: Derived minimal effect level

DNEL: Derived no-effect level

EC: European Community

EN: European Standard

EQ: Excepted quantities

EU: European Union

IATA: International Air Transport Association

IATA-DGR: International Air Transport Association – Dangerous Goods Regulations

IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk

IMDG Code: International Maritime Dangerous Goods Code

LEL: Lower Explosion Limit

MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships

OEL: Occupational Exposure Limit Value

OSHA: Occupational Safety and Health Administration

PBT: Persistent, bioaccumulative and toxic

PNEC: Predicted no-effect concentration

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

Repr.: Reproductive toxicity

RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail

STOT RE: Specific target organ toxicity - repeated exposure

SVHC: Substance of very high concern

TLV: Threshold Limit Value

TRGS: Technical Rules for Hazardous Substances

vPvB: Very persistent and very bioaccumulative

WEL: Workplace Exposure Limit