

Safety data sheet

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BASF Safety data sheet according to UN GHS 4th rev.

Date / Revised: 05.10.2022

Version: 4.0

Product: **Elastopor® H 2130/83/OT Polyol component**

(ID no. 30591493/SDS_GEN_00/EN)

Date of print 24.07.2025

1. Identification

Product identifier

Elastopor® H 2130/83/OT Polyol component

Recommended use: polyurethane component

Details of the supplier of the safety data sheet

Company:

BASF Polska Sp.z o.o.
Al. Jerozolimskie 142b
02-305 Warszawa, Polska

Telephone: +48 22 5709-999 (8:00 - 17:00)
E-mail address: product-safety-poland@basf.com

Emergency telephone number

International emergency number:
Telephone: +49 180 2273-112

2. Hazards Identification

Classification of the substance or mixture

According to UN GHS criteria

Eye Dam./Irrit. 2A

For the classifications not written out in full in this section the full text can be found in section 16.

Label elements

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Globally Harmonized System, UN (GHS)

Pictogram:



Signal Word:

Warning

Hazard Statement:

H319 Causes serious eye irritation.

Precautionary Statements (Prevention):

P264 Wash contaminated body parts thoroughly after handling.

P280 Wear protective gloves, protective clothing and eye protection or face protection.

Precautionary Statements (Response):

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical attention.

Other hazardsAccording to UN GHS criteria

| See section 12 - Results of PBT and vPvB assessment.

3. Composition/Information on Ingredients**Substances**

Not applicable

MixturesChemical nature

Preparation based on: polyol, additives, catalyst

Hazardous ingredients (GHS)

According to UN GHS criteria

Polyetherpolyol, branched

Content (W/W): < 20 %

CAS Number: 9082-00-2

Acute Tox. 4 (oral)

H302

Polyetherpolyol based on amines

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Content (W/W): 5 % - < 20 %
 CAS Number: 67800-94-6
 EC-Number: 614-144-2
 REACH registration number: 01-2119462836-28

Acute Tox. 4 (oral)
 Eye Dam./Irrit. 2A
 H302, H319

cyclohexyldimethylamine

Content (W/W): $\geq 0,1$ % - < 0,8 %
 CAS Number: 98-94-2
 EC-Number: 202-715-5
 REACH registration number: 01-2119533030-60

Flam. Liq. 3
 Acute Tox. 3 (oral)
 Acute Tox. 3 (dermal)
 Acute Tox. 3 (Inhalation - vapour)
 Skin Corr./Irrit. 1B
 Eye Dam./Irrit. 1
 Aquatic Acute 2
 Aquatic Chronic 2
 H226, H301, H311, H314, H331, H401, H411

benzylidimethylamine

Content (W/W): $\geq 0,1$ % - < 0,8 %
 CAS Number: 103-83-3
 EC-Number: 203-149-1
 REACH registration number: 01-2119529232-48
 INDEX-Number: 612-074-00-7

Flam. Liq. 3
 Acute Tox. 4 (oral)
 Acute Tox. 4 (dermal)
 Acute Tox. 3 (Inhalation - vapour)
 Skin Corr./Irrit. 1B
 Eye Dam./Irrit. 1
 Aquatic Chronic 2
 Aquatic Acute 2
 H226, H302, H312, H314, H331, H401, H411

bis(2-dimethylaminoethyl)(methyl)amine

Content (W/W): $\geq 0,1$ % - < 0,8 %
 CAS Number: 3030-47-5
 EC-Number: 221-201-1
 REACH registration number: 01-2119979537-18
 INDEX-Number: 612-109-00-6

Flam. Liq. 4
 Acute Tox. 3 (Inhalation - vapour)
 Acute Tox. 4 (oral)
 Acute Tox. 3 (dermal)
 Skin Corr./Irrit. 1B
 Eye Dam./Irrit. 1
 Aquatic Acute 3
 Aquatic Chronic 3
 H227, H311, H331, H302, H314, H402, H412

For the classifications not written out in full in this section the full text can be found in section 16.

4. First-Aid Measures

Description of first aid measures

Remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention.

On skin contact:

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Wash thoroughly with soap and water

On contact with eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in section 2 and/or in section 11.

Hazards: Symptoms can appear later.

Indication of any immediate medical attention and special treatment needed

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Extinguishing media

Suitable extinguishing media:

water spray, dry powder, foam, carbon dioxide

Special hazards arising from the substance or mixture

Carbon monoxide, carbon dioxide, nitrogen oxides

The substances/groups of substances mentioned can be released in case of fire.

Advice for fire-fighters

Special protective equipment:

Wear a self-contained breathing apparatus.

Further information:

Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental Release Measures

High risk of slipping due to leakage/spillage of product.

Personal precautions, protective equipment and emergency procedures

Use personal protective clothing. Information regarding personal protective measures, see section 8.

Environmental precautions

Do not empty into drains. Do not discharge into the subsoil/soil.

Methods and material for containment and cleaning up

For large amounts: Pump off product.

For residues: Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

Dispose of absorbed material in accordance with regulations.

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7. Handling and Storage

Precautions for safe handling

Ensure thorough ventilation of stores and work areas.

Protection against fire and explosion:

No special precautions necessary.

Conditions for safe storage, including any incompatibilities

Segregate from foods and animal feeds.

Suitable materials for containers: Carbon steel (Iron), High density polyethylene (HDPE), Low density polyethylene (LDPE), tinned carbon steel (Tinplate), Stainless steel 1.4301 (V2)

Further information on storage conditions: Keep container tightly closed.

Storage stability:

Protect against moisture.

Specific end use(s)

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

8. Exposure Controls/Personal Protection

Control parameters

Components with occupational exposure limits

Does not contain components with substance specific occupational exposure limits.

Exposure controls

Personal protective equipment

Respiratory protection:

Respiratory protection in case of vapour/aerosol release. Combination filter for gases/vapours of organic compounds and solid and liquid particles (f.e. EN 14387 Type A-P2)

Hand protection:

Suitable chemical resistant safety gloves (EN ISO 374-1) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN ISO 374-1): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) etc.

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures

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Wearing of closed work clothing is required additionally to the stated personal protection equipment. Avoid contact with the skin, eyes and clothing. When using, do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift. At the end of the shift the skin should be cleaned and skin-care agents applied.

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Form:	liquid	
Colour:	amber	
Odour:	faint odour	
Odour threshold:	not applicable	
pH value:	approx. 6 - 8 (20 °C)	
solidification temperature:	< 0 °C	
Boiling point:	> 140 °C (1.013 hPa)	
Flash point:	> 110 °C	(DIN 51758)
Evaporation rate:	Value can be approximated from Henry's Law Constant or vapor pressure.	
Flammability:	not flammable	(derived from flash point)
Lower explosion limit:	For liquids not relevant for classification and labelling., The lower explosion point may be 5 - 15 °C below the flash point.	
Upper explosion limit:	For liquids not relevant for classification and labelling.	
Ignition temperature:	> 250 °C	
Vapour pressure:	< 10 mbar (20 °C)	
Density:	1,09 g/cm ³ (20 °C)	
Relative density:	1,09 (20 °C)	
Relative vapour density (air):	not applicable	
Solubility in water:	partly soluble	
Partitioning coefficient n-octanol/water (log Kow):	not applicable for mixtures, Study scientifically not justified.	
Self ignition:	not self-igniting	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Viscosity, dynamic:	3.450 mPa.s (25 °C)	
Viscosity, kinematic:	not determined	
Fire promoting properties:	not fire-propagating	

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Other information

Self heating ability:	It is not a substance capable of spontaneous heating according to UN transport regulations class 4.2.	
SADT:	Not a substance liable to self-decomposition according to UN transport regulations, class 4.1.	
Radioactivity:		not radioactive for transport purposes
Miscibility with water:	partly miscible	
Other Information:		
If necessary, information on other physical and chemical parameters is indicated in this section.		

10. Stability and Reactivity**Reactivity**

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals:	No corrosive effect on metal.	
Reactions with water/air:	Reaction with:	water
	Flammable gases:	no
	Toxic gases:	no

Chemical stability

The product is chemically stable.

Peroxides:	The product does not contain peroxides. The product/the substance has not a tendency towards the formation of peroxide.
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Possibility of hazardous reactions

No hazardous reactions if stored and handled as prescribed/indicated.

The product is chemically stable.

Conditions to avoid

Temperature: < 0 °C

See SDS section 7 - Handling and storage.

Incompatible materials

Substances to avoid:

acids, oxidizing agents, isocyanates

Hazardous decomposition products

:

No hazardous decomposition products if stored and handled as prescribed/indicated.

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11. Toxicological Information

Information on toxicological effects

Acute toxicity

Assessment of acute toxicity:

Virtually nontoxic after a single skin contact. Virtually nontoxic by inhalation. Virtually nontoxic after a single ingestion.

*Information on: Polyetherpolyol based on amines**Experimental/calculated data:**LD50 rat (oral): 500 - < 2.000 mg/kg**Information on: Polyetherpolyol, branched**Experimental/calculated data:**LD50 rat (oral): 500 - < 2.000 mg/kg (BASF-Test)*

Irritation

Assessment of irritating effects:

Eye contact causes irritation. Not irritating to the skin.

*Information on: cyclohexyldimethylamine**Experimental/calculated data:**Skin corrosion/irritation rabbit: Corrosive. (BASF-Test)**Information on: benzyldimethylamine**Experimental/calculated data:**Skin corrosion/irritation rabbit: Corrosive. (OECD Guideline 404)**Information on: bis(2-dimethylaminoethyl)(methyl)amine**Experimental/calculated data:**Skin corrosion/irritation rabbit: Corrosive. (similar to OECD guideline 404)*
-----*Information on: Polyetherpolyol based on amines**Experimental/calculated data:**Serious eye damage/irritation rabbit: Irritant. (OECD Guideline 405)*

Respiratory/Skin sensitization

Assessment of sensitization:

The chemical structure does not suggest a sensitizing effect.

*Information on: Polyetherpolyol based on amines**Experimental/calculated data:*

Non-sensitizing.

Information on: Polyetherpolyol, branched

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*Experimental/calculated data:**modified Buehler test guinea pig: Non-sensitizing.*

Germ cell mutagenicity

Assessment of mutagenicity:

The chemical structure does not suggest a specific alert for such an effect.

Carcinogenicity

Assessment of carcinogenicity:

The chemical structure does not suggest a specific alert for such an effect.

Reproductive toxicity

Assessment of reproduction toxicity:

The chemical structure does not suggest a specific alert for such an effect.

Developmental toxicity

Assessment of teratogenicity:

The chemical structure does not suggest a specific alert for such an effect.

Specific target organ toxicity (single exposure)

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

Repeated dermal uptake of the substance did not cause substance-related effects. Repeated inhalative uptake of the substance did not cause substance-related effects. Repeated oral uptake of the substance did not cause substance-related effects.

Aspiration hazard

No aspiration hazard expected.

Other relevant toxicity information

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

12. Ecological Information

Toxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms.

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*Information on: Polyetherpolyol based on amines**Toxicity to fish:**LC50 (48 h) > 100 mg/l, Brachydanio rerio**Information on: Polyetherpolyol, branched**Toxicity to fish:**LC50 (48 h) > 100 mg/l, Brachydanio rerio*
-----*Information on: Polyetherpolyol, branched**Aquatic invertebrates:**EL50 (48 h) > 100 mg/l, Daphnia magna*

Persistence and degradability

Assessment biodegradation and elimination (H₂O):

Poorly biodegradable.

Elimination information:

Poorly biodegradable.

Bioaccumulative potential

Assessment bioaccumulation potential:

Does not significantly accumulate in organisms.

Mobility in soil

Assessment transport between environmental compartments:

Adsorption in soil: Adsorption to solid soil phase is not expected.

Results of PBT and vPvB assessment

According to Annex XIII of Regulation (EC) No.1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH): The product does not contain a substance fulfilling the PBT (persistent/bioaccumulative/toxic) criteria.

Other adverse effects

The product does not contain substances that are listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

Additional information

Adsorbable organically-bound halogen (AOX):

This product contains no organically-bound halogen.

Other ecotoxicological advice:

Do not allow to enter soil, waterways or waste water channels. Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

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13. Disposal Considerations

Waste treatment methods

Incinerate in suitable incineration plant, observing local authority regulations.

Waste key:

07 02 08□ other still bottoms and reaction residues

Contaminated packaging:

Contaminated packaging should be emptied as far as possible; then it can be passed on for recycling after being thoroughly cleaned.

14. Transport Information

Land transport

ADR

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

RID

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

Inland waterway transport

ADN

	Not classified as a dangerous good under transport regulations
UN number or ID number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user:	None known

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Transport in inland waterway vessel

Not evaluated

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

UN number or ID number: Not applicable

UN proper shipping name: Not applicable

Transport hazard class(es): Not applicable

Packing group: Not applicable

Environmental hazards: Not applicable

Special precautions for user: None known

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

UN number or ID number: Not applicable

UN proper shipping name: Not applicable

Transport hazard class(es): Not applicable

Packing group: Not applicable

Environmental hazards: Not applicable

Special precautions for user: None known

Maritime transport in bulk according to IMO instruments

Maritime transport in bulk is not intended.

15. Regulatory Information**Safety, health and environmental regulations/legislation specific for the substance or mixture**

If it is intended to use materials for the manufacture of consumer goods (e. g. products which will come into contact with foodstuffs or with the skin, toys) or medical products, national and international regulations have to be observed. Where no regulations exist, consumer goods or medical products must at least comply with European legislation. We recommend contacting our Sales and our Product Safety departments.

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

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16. Other Information

For the classification of the mixture the following methods have been applied: extrapolation on the concentration levels of the hazardous substances, on basis of test results and after evaluation of experts.

The methodologies used are mentioned at the respective test results.

Full text of classifications, hazard symbols and hazard statements, if mentioned in section 2 or 3:

Eye Dam./Irrit.	Serious eye damage/eye irritation
Acute Tox.	Acute toxicity
Flam. Liq.	Flammable liquids
Skin Corr./Irrit.	Skin corrosion/irritation
Aquatic Acute	Hazardous to the aquatic environment - acute
Aquatic Chronic	Hazardous to the aquatic environment - chronic
H302	Harmful if swallowed.
H319	Causes serious eye irritation.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H331	Toxic if inhaled.
H401	Toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.
H312	Harmful in contact with skin.
H227	Combustible liquid.
H402	Harmful to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

Vertical lines in the left hand margin indicate an amendment from the previous version.