

Material Safety Data Sheet

Completed 10-09-2024
Revision: (date) -
SDS version 1.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

Trade Name: EP Støbemasse A
Product- no.: 6150-

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

Recommended uses:

Industry.

The product is part of a 2-component system. Conformity with safety data sheet for both components when mixing with other component.

Uses advised against:

This product must not be used for purposes other than those recommended without first seeking the advice of the supplier.

1.3. Details of the supplier of the safety data sheet

Company and address:

Promal A/S
Joachim Wellers Vej 27
7500 Holstebro
DK
+45 96 10 50 80
www.promal.dk

Contact person and E-mail:

info@promal.dk

The Safety data sheet is completed and validated by:

Mediator A/S, Centervej 2, DK-6000 Kolding. Consultant: KN

1.4. Emergency telephone number

Use your national or local emergency number - For "First aid measures" see section 4.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLP (1272/2008):
Skin Irrit. 2;H315
Skin Sens. 1;H317
Eye Irrit. 2;H319
Aquatic Chronic 2;H411

See full text of H-phrases in section 16.

2.2. Label elements



Signal word:

Danger

Causes skin irritation. (H315)
May cause an allergic skin reaction. (H317)
Causes serious eye irritation. (H319)
Toxic to aquatic life with long lasting effects. (H411)
Contains epoxy constituents. May produce an allergic reaction. (EUH 205)

Avoid release to the environment. (P273)
Wear protective gloves/protective clothing/eye protection/face protection. (P280)
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305 + P351 + P338)
If skin irritation or rash occurs: Get medical advice/attention. (P333 + P313)
Collect spillage. (P391)
Dispose of contents/container in accordance with local regulation. (P501)

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2.3. Other hazards

Additional labelling:

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Additional warnings

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SECTION 3: Composition/information on ingredients

3.1/3.2. Substances/Mixtures

Substance	EU-Index no. / REACH-Reg. no.	CAS-no.	EINECS-no.	CLP-classification	Wt/Wt %	Note
2,2-Bis(4'-glycidyoxyphenyl)propane	603-073-00-2 / -	1675-54-3	216-823-5	Skin Irrit. 2;H315, Skins Sens. 1;H317, Eye Irrit. 2;H319, Aquatic Chronic 2;H411	60-80	1
Butandiol diglycidylether	603-072-00-7 / 01-2119494060-45-xxxx	2425-79-8	500-006-8	Acute Tox. 4;H302, Acute Tox. 4;H312, Skin Irrit. 2;H315, Skin Sens. 1;H317, Eye Dam. 1;H318, Acute Tox. 4;H332, Aquatic Chronic 3;H412	<10	-
Formaldehyde polymer with (chloromethyl)oxirane and phenol	612-067-00-9 / -	9003-36-5	701-263-0	Skin Irrit. 2;H315, Skins Sens. 1;H317, Aquatic Chronic 2;H411	<10	-
Titanium dioxide	022-006-00-2 / 01-2119489379-17-xxxx	13463-67-7	236-675-5	-	<5	-

1) The substance is an epoxy resin.

See full text of H-phrases in section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation:

In case of discomfort: Seek fresh air.
Seek medical advice in case of discomfort.

Ingestion:

Wash out mouth thoroughly and drink 1-2 glasses of water in small sips.

Skin contact:

Immediately remove contaminated clothing.
Wash the skin thoroughly with water and continue washing for a long time.
If skin irritation or rash occurs: Get medical advice/attention.

Eye contact:

Flush immediately with water (preferably using eye wash equipment) for at least 5 minutes. Open eye wide. Remove any contact lenses. Seek medical advice.

Additional information:

When obtaining medical advice, show the safety data sheet or label.

4.2. Most important symptoms and effects, both acute and delayed

Irritation effects: This product contains substances which cause irritation to skin and eyes, or when inhaled. Contact with locally irritative substances (e.g. acids, alkalis, solvents, etc.) may lead to severe irritation or burns.
Sensitivity effects: This product contains substances which can give an allergic reaction on contact with skin. The allergic reaction will typically set in within a few days after contact.

4.3. Indication of any immediate medical attention and special treatment needed

Show this safety data sheet to the doctor in attendance.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Extinguish with powder, foam, carbon dioxide or water mist.
Do not use water stream, as it may spread the fire.

5.2. Special hazards arising from the substance or mixture

Avoid inhalation of vapour and fumes – seek fresh air.
Hazardous fumes are formed in fire conditions.
Exposure to decomposition products may cause a health hazard.

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5.3. Advice for firefighters

If there is a risk of exposure to vapour and flue gases, a self-contained breathing apparatus must be worn.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

See section 8 for type of protective equipment.

Avoid contact with skin and eyes.

6.2. Environmental precautions

Notify proper authorities in case of contamination of soil or aquatic environment or discharge to drains.

Prevent spillage from entering drains and/or surface water.

6.3. Methods and material for containment and cleaning up

Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers.

Wipe up spills with a cloth.

6.4. Reference to other sections

See section 8 for type of protective equipment.

See section 13 for instructions on disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

See section 8 for information about precautions for use and personal protective equipment.

Running water and eye wash equipment should be available.

7.2. Conditions for safe storage, including any incompatibilities

The product should be stored safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc.

Keep in tightly closed original packaging.

7.3. Specific end use(s)

See application section 1.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Indicative occupational exposure limit value (IOELV)

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DNEL/PNEC-values:

DNEL 2,2-Bis(4'-glycidyloxyphenyl)propane

	Workers	Consumers
Inhalation - Chronic Systemic	4,93 mg/m ³	0,87 mg/m ³
Dermal - Chronic Systemic	0,75 mg/kg bw/day	89,3 µg/kg bw/day
Oral - Chronic Systemic	-	0,5 mg/kg bw/day

DNEL Butandiol diglycidylether

	Workers	Consumers
Inhalation - Chronic Systemic	4,7 mg/m ³	1,16 mg/m ³
Dermal - Chronic Systemic	6,66 mg/kg bw/day	3,33 mg/kg bw/day
Oral - Chronic Systemic	-	0,33 mg/kg bw/day
Oral - Acute Systemic	-	0,33 mg/kg bw/day

DNEL Titanium dioxide

	Workers	Consumers
Inhalation - Chronic Local	1,25 mg/m ³	210 µg/m ³

PNEC 2,2-Bis(4'-glycidyloxyphenyl)propane

Fresh water	0,006 mg/L
Intermittent releases (Fresh water)	0,018 mg/L
Marine water	0,001 mg/L
Intermittent releases (Marine water)	0,002 mg/L
Soil	0,065 mg/kg soil dw

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PNEC Butandiol diglycidylether

Fresh water	0,024 mg/L
Intermittent releases (Fresh water)	0,24 mg/L
Marine water	0,002 mg/L
Soil	0,003 mg/kg soil dw

8.2. Exposure controls

There are no exposure scenarios for this product.

Appropriate engineering controls:

Wear the personal protective equipment specified below.
Wash hands before breaks, before using restroom facilities, and at the end of work.
Do not eat, drink or smoke when using this product.

Personal protective equipment:



Respiratory protection:

In case of insufficient ventilation, wear respiratory protective equipment with filter A.
Respiratory protective equipment shall comply with one of the following standards: EN 136/140/145.

Hand protection:

Wear protective gloves made of nitrile rubber (> 0,11 mm). Protective gloves conforming to EN 374.
Penetration time: >480 min (EN 374)
Change gloves immediately if contaminated, and wash hands with soap and water.

Eye/face protection:

Wear safety goggles if there is a risk of eye splash.
Eye protection conforming to EN 166.

Skin protection:

Special work clothing should be used.

Environmental exposure controls:

Ensure compliance with local regulations for emissions.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	-
Odour:	-
Melting point/ Freezing Point (°C):	-
Boiling point or initial boiling point and boiling range (°C):	-
Flammability:	-
Lower and upper explosion limit (vol-%):	-
Flash point (°C):	-
Auto-ignition temperature (°C):	-
Decomposition temperature (°C):	-
pH:	-
Kinematic viscosity (mm ² /s):	-
Solubility:	-
Partition coefficient n-octanol/water (log value)	-
Vapour pressure:	-
Density and/or relative density:	-
Relative vapour density:	-
Particle characteristics:	-

9.2. Other information

VOC (Volatile organic compounds):	Ca. 800 g/l
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SECTION 10: Stability and reactivity

10.1. Reactivity

No data.

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10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

No special precautions regarding contact with other materials at the recommended storage conditions.

SECTION 11: Toxicological information

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

Acute toxicity:

Based on the existing data, the classification is not met.

Substance	exposure	Species	Test	Result
2,2-Bis(4'-glycidyoxyphenyl)propane	Oral	Rat	LD50	> 2000 mg/kg bw
2,2-Bis(4'-glycidyoxyphenyl)propane	Dermal	Rat	LD50	> 2000 mg/kg bw
Butandiol diglycidylether	Oral	Rat	LD50	1118 mg/kg bw
Titanium dioxide	Inhalation	Rat	LC50/ 4 Hours	3,43 mg/L air

Skin corrosion/irritation:

Irritating to skin – may cause reddening.

Serious eye damage/irritation:

Irritating to eyes. Causes a burning sensation and tearing.

Respiratory or skin sensitisation:

May cause sensitization by skin contact. Symptoms include reddening, swelling, blistering and ulceration – often slowly developing.

Germ cell mutagenicity:

Based on the existing data, the classification is not met.

Carcinogenicity:

Based on the existing data, the classification is not met.

Reproductive toxicity:

Based on the existing data, the classification is not met.

STOT-single exposure:

Based on the existing data, the classification is not met.

STOT-repeated exposure:

Based on the existing data, the classification is not met.

Aspiration hazard:

Based on the existing data, the classification is not met.

11.2. Information on other hazards

Test data are not available.

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SECTION 12: Ecological information

12.1. Toxicity

Substance	Test duration	Species	Test	Result
2,2-Bis(4'-glycidyoxyphenyl)propane	96 Hours	Fish	LC50	1,5 mg/L
2,2-Bis(4'-glycidyoxyphenyl)propane	48 Hours	Daphnia	LC50	1,1 mg/L
2,2-Bis(4'-glycidyoxyphenyl)propane	72 Hours	Algae	EC50	9,4 mg/L
Butandiol diglycidylether	96 Hours	Fish	LC50	24 mg/L
Butandiol diglycidylether	24 Hours	Daphnia	EC50	75 mg/L

12.2. Persistence and degradability

Substance	Biodegradability	Test	Result
2,2-Bis(4'-glycidyoxyphenyl)propane	No	OECD Guideline 301 F	28 Days 5%
Butandiol diglycidylether	Yes	OECD Guideline 301 F	28 Days 43%

12.3. Bioaccumulative potential

Substance	Potential bioaccumulation	LogPow
2,2-Bis(4'-glycidyoxyphenyl)propane	Yes	2,64 - 3,78
Butandiol diglycidylether	No	-0,269

12.4. Mobility in soil

Test data are not available.

12.5. Results of PBT and vPvB assessment

The product does not meet the criteria for PBT or vPvB.

12.6. Endocrine disrupting properties

Test data are not available.

12.7. Other adverse effects

Toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The product is covered by the regulations on dangerous waste.

Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site.

EWC-Code	Description
20 01 27	Paint, inks, adhesives and resins containing hazardous substances

Specific labelling:

Epoxy waste. Be careful! Risk of eczema!

Contaminated packaging:

Empty packaging and residues must be disposed of through the municipal waste collection service for hazardous waste.

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SECTION 14: Transport information

The product is covered by the rules for transport of dangerous goods.

According to ADR and IMDG substances/products covered by UN 3077/UN 3082 are not regarded as dangerous goods if carried in quantities of less than 5 kg (or 5 L) due to SP 375 (ADR) and 2.10.2.7 (IMDG).

14.1 -14.4.

ADR

14.1. UN number or ID number	14.2. UN proper shipping name	14.3. Transport hazard class(es)	14.4. Packing group
3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,2-Bis(4'-glycidyloxyphenyl)propane)	9	III

IMDG

14.1. UN number or ID number	14.2. UN proper shipping name	14.3. Transport hazard class(es)	14.4. Packing group
3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2,2-Bis(4'-glycidyloxyphenyl)propane)	9	III

14.5. Environmental hazards

If the quantity transported exceeds 5 kg or litre must be labelled with an environmental hazard.

14.6. Special precautions for user

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14.7. Maritime transport in bulk according to IMO instruments

Not relevant.

SECTION 15: Regulatory information

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

Sources:

Commission Directives 2000/39/EC, 2006/15/EC, 2009/161/EU, EU 2017/164 and EU 2019/1831 (the first, second, third, fourth and fifth IOELV Directives).

Directive 2004/37/EC with amendments

Additional labelling:

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Restrictions for application:

Special care should be applied for employees under the age of 18. Young people under the age of 18 may not carry out any work causing harmful exposure to this product. Young people above 15 years are exempted this rule, if the product is a part of an education/training.

Special care should be applied for pregnant and lactating women.

Demands for specific education:

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15.2. Chemical safety assessment

None.

SECTION 16: Other information

According to EU regulation 1907/2006 (REACH)

Other information:

Sources:

EC regulation 1907/2006 (REACH), with amendments.

EC Regulation 1272/2008 (CLP), with amendments.

Directive 2008/98/EC

ECHA - The European Chemicals Agency

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Full text of H-phrases as mentioned in section 2+3:

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H411	Toxic to aquatic life with long lasting effects.
EUH 205	Contains epoxy constituents. May produce an allergic reaction.

Classification according to Regulation (EC) Nr. 1272/2008:

Skin Irrit. 2;H315	Calculation method
Skin Sens. 1;H317	Calculation method
Eye Irrit. 2;H319	Calculation method
Aquatic Chronic 2;H411	Calculation method

Abbreviations and acronyms used in the safety data sheet:

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals. Regulation (EC) No 1907/2006.

CLP: Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.

CAS-Number.: Chemical Abstracts Service number.

EC-Number.: EINECS and ELINCS Number (see also EINECS and ELINCS).

DNEL: Derived No Effect Level.

PNEC(s): Predicted No Effect Concentration(s).

STOT: Specific Target Organ Toxicity.

LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).

LC50: Lethal Concentration to 50 % of a test population.

EC50: The effective concentration of substance that causes 50% of the maximum response.

PBT: Persistent, Bioaccumulative and Toxic.

vPvB: Very Persistent and Very Bioaccumulative.

NOEC: The highest tested concentration at which, in a study, no statistically significant effect is observed in the exposed population compared with an appropriate control group.

NOAEL: The highest tested dose or exposure level at which there are no statistically significant increases in the frequency or severity of adverse effects between the exposed population and an appropriate control group; some effects may be produced at this level, but they are not considered adverse or precursors of adverse effects.

Other:

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

Minor changes have been made in following sections:

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This material safety data sheet replaces version:

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