

SAFETY DATA SHEET

2020-02-28 Version 6

Replaces 2015-04-28

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

ERADUR ESD MASSIV, B

1.2 Relevant identified uses of the substance or mixture and uses advised against
Use: Epoxy mastic intended for industrial flooring. Comp B

1.3 Details of the supplier of the safety data sheet

Supplier: Eradur AB
Granitgatan 11, SE-254 68 HELSINGBORG, SWEDEN
Tel: 0046-42 29 22 50, Fax: 0046-42 29 22 55
Web: www.eradur.com
info@eradur.com

1.4 Emergency telephone number

Contact National Poison Centre via Hospital or Registered Medical Practitioner

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to 1272/2008 Acute tox. 4; Corr. 1 B; Skin Sens; Aquatic Chronic 3; Eye Dam. 1



2.2 Label elements

Pictogram: GHS 05, GHS 07
Signal word: Danger
Contains: Benzyl Alcohol, Isophoronediamine, m-xyllylendiamine, 2,4,6-tris(dimethylaminomethyl)phenol, Polyeteramine

H-Phrases: H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H332 Harmful if inhaled.
H412 Harmful to aquatic life with long lasting effects.

P-Phrases: P260 Do not breathe gas
P270 Do no eat, drink or smoke when using this product.
P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P314 Get medical advice/attention if you feel unwell.
P321 Specific treatment (see ... on this label).
P363 Wash contaminated clothing before reuse.
P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P304+P340 IF INHALED: Remove victim to fresh air and keep comfortable for breathing.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor/...
P391 Collect spillage.
P337+P313 If eye irritation persists: Get medical advice/attention.

Hazards: The preparation may be sensitising on skin contact It may also irritate the skin and the eyes. Repeated exposure may increase this effect.

2.3 Other hazards

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

ERADUR AB tel. 0046-42 29 22 50, fax. 0046-42 29 22 55

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Substances classified as hazardous for fire, health and the environment in accordance with applicable regulations of the European Chemicals Agency for the classification and labelling of chemical products and substances with occupational exposure limit values.

COMPONENT	CAS-no	EC-no	CONTENT	67/548 EEG (*)	EG 1272/2008 (*)
Benzyl alcohol	100-51-6	202-859-8	25-50%		Acute Tox. 4, H332; Acute Tox. 4, H302
Polyeteramine	-	-	25-50%		Skin Corr. 1B, H314;
Isophoronediamine	2855-13-2	220-666-8	5-12,5%		Acute Tox. 4, H302 Acute Tox. 4, H312; Skin Corr. 1B, H314; Skin Sens. 1, H317; Aquatic Chronic 3, H412;
m-xylylendiamine	1477-55-0	216-032-5	5-12,5%		Acute Tox. 4, H302; Skin Corr.1B, H314; Skin Sens. 1, H317; Eye Dam. 1, H318; Acute Tox. 4, H332; Aquatic Chronic 3, H412
2,4,6-tris(dimethylaminomethyl)phenol	90-72-2	202-013-9	1-5%		Acute Tox. 4, H302; Skin Irrit.2, H315; Eye Irrit. 2, H319

(*) Phrases in full text see section 16

4. FIRST AID MEASURES

4.1 Description of first aid measures

General information: In case of doubt, or when symptoms persist, seek medical attention. Never give an unconscious person anything to eat or drink. Bring the SDS at doctor visits.

Inhalation: Fresh air. Rest. If necessary respiratory assistance / artificial respiration. If symptoms occur - consult a doctor.

Eye contact: Remove contact lenses, rinse with plenty of water for 5 minutes, holding the eyelids apart and seek medical attention if symptoms occur.

Skin contact: Take off contaminated clothing. Wash skin thoroughly with soap and water or use recognized skin cleanser. Do **not** use organic solvents.

Ingestion: Rinse mouth. Drink juice or water. DO NOT induce vomiting. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

This product may cause sensitization by skin contact. Can cause severe allergic reaction in sensitized individuals.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Alcohol resistant foam, carbon dioxide, dry powder or water spray / fog.

Unsuitable extinguishing media: Direct water jet / high pressure.

5.2 Special hazards arising from the substance or mixture

General recommendations: Fire may produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required.

5.3 Advice for firefighters

Cool closed containers exposed to fire with water. Do not allow run off from fire fighting to enter drains or watercourses.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid skin contact with the product, avoid breathing vapours.

6.2 Environmental precautions

Contain spillage with non-combustible material such as sand, earth, vermiculite or diatomaceous earth. Prevent release to drains or watercourses. If the product contaminates lakes, rivers or sewage, inform appropriate authorities. Dispose of as chemical waste (hazardous waste).

6.3 Methods and material for containment and cleaning up

Shovel into suitable container for disposal according to local regulations (see section 13). Clean preferably with a detergent, avoid use of solvents.

6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8.

7. HANDLING AND STORAGE
7.1 Precautions for safe handling

Persons with preexisting skin allergy may not be exposed to or work with this product.

The use requires effective ventilation. Avoid contact with eyes and skin. Avoid inhalation of dust, particulates and spray mist arising from the application of this product. Avoid inhalation of dust from sanding.

Personal protective equipment, see Section 8. When handling it is forbidden to smoke, eat and drink. Make sure the appropriate safety and health rules are observed.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool dry place in tightly closed containers. The product is not classified as flammable.

Observe label. Keep away from oxidising agents, strong alkalis, strong acids.

Opened containers must be carefully resealed and kept upright to prevent leakage. Store only in original container.

7.3 Specific end use(s):

Epoxy mastic intended for industrial flooring.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION
8.1 Control parameters

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

8.2 Exposure controls

Technical measures Use only in well-ventilated areas.

Personal protective equipment

Respiratory protection: In situations where spray mist occurs, use appropriate certified respirators.

Hand protection: Polyethylene or polypropylene with inner glove of fabric needed. PVC or latex gloves not recommended. Barrier creams may help to protect the skin, they should however not be applied after exposure has occurred.

Eye/face protection: In case of splash hazard wear tight-fitting goggles or face shield.

Skin protection: Wear protective clothing made of natural fibres.

9. PHYSICAL AND CHEMICAL PROPERTIES:
9.1 Information on basic physical and chemical properties

Appearance:	Yellow liquid with a characteristic odour of amine.
Flash point:	> 100 °C
Melting point:	N/A
Viscosity 20 °C:	50-90 mPa s
Density:	ca 1,00 g/cm ³
Vapour pressure:	< 25 Pa
Explosive limits,	lower 1,3 vol%
	upper 13 vol%

9.2 Other information

Solubility in water:	Insoluble
Solubility in organic solvents:	Soluble in aromatics, ketones, esters, etc.

10. STABILITY AND REACTIVITY
10.1 Reactivity

May react with oxidizing agents.

10.2 Chemical stability

Stable if used properly.

10.3 Possibility of hazardous reactions

Can react violently with acids under heat development.

10.4 Conditions to avoid

Avoid release to the environment.

10.5 Incompatible materials

No specific data.

10.6 Hazardous decomposition products

Fire may produce dense black smoke.

11. TOXICOLOGICAL INFORMATION
11.1 Information on toxicological effects

There are no data available on the product itself. The preparation has been assessed and classified by the included substances classification in accordance with applicable regulations.

Acute toxicity:

Isophoronediamine:	LD50 oral:	1 000 mg/kg (rat)
	Sensitization (dermal):	Causes sensitization (guinea pigs)
Benzyl alcohol:	LD50 oral:	1 610 mg/kg (rat)
	LD50 dermal:	2 000 mg/kg (rabbit)
	LC50 /4h inhale:	>1 000 mg/l (rat)

If swallowed a strong caustic effect on mouth and throat. Risk of perforation of the esophagus and stomach. At the recommended storage and handling conditions the danger of inhaling hazardous vapours or mists is judged to be small.

12. ECOLOGICAL INFORMATION

The preparation has been assessed according to current European legislation and is classified based on the classification of included substances. See paragraph 2, 15, 16.

12.1 Toxicity

There is no data available on the product itself. The product must not be discharged into the drains or watercourses.

Aquatic toxicity:	(Isophoronediamine):		
Acute toxicity:	LC50 / 96h:	Leuciscus idus:	110 mg/l.
	LC / 72h:	Scenedesmus subspicatus:	37 mg/l.
	EC / 24h:	Daphnia magna:	42 mg/l.
Aquatic toxicity:	(Data for benzyl alcohol):		
Acute toxicity:	LC50 / 96h:	Lepomis macrochirus:	27 mg/l.
	EC50 / 24h:	Daphnia magna:	55 mg/l.

12.2 Persistence and degradability

The product is not easily biodegradable.

12.3 Bioaccumulative potential

Small risk of bioaccumulation (log Po/w <1)

12.4 Mobility in soil

Low potential for adsorption to sewage sludge and soil.

12.5 Results of PBT and vPvB assessment

Not considered to be a substance meeting the criteria in Annex XIII for PBT/vPvB.

12.6 Other adverse effects

High emissions have a negative impact locally due to a high pH-value.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Prevent entry into sewers and waterways.
 Dispose of according to local regulations. Proper disposal is incineration.
 Liquid waste is classified as hazardous waste with EWC-code (European Waste Catalogue): 08 01 11.

14. TRANSPORT INFORMATION
ADR, RID

14.1 UN-number: 2735
 14.2 UN proper shipping name: Polyamines, liquid, corrosive, n.o.s. (*Isophoronediamine*)
 14.3 Transport hazard class(es): 8
 14.4 Packing group: III

IMDG

14.1 UN-number: 2735
 14.2 UN proper shipping name: Polyamines, liquid, corrosive, n.o.s. (*Isophoronediamine*)
 14.3 Transport hazard class(es): 8
 14.4 Packing group: III
 14.5 Environmental hazards: No

14.6 Special precautions for user: Not applicable
 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable

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

Classification and labelling have been performed according to EU Directives 67/548/EEC and 1999/45/EC

EG 1907/2006	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).
EG 1272/2008	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures
EG 42/2004	European Parliament and of the Council of 21 April 2004 on the limitation of emissions of volatile organic compounds due to the use of organic solvents in certain paints and varnishes.
SFS 1998:808	The Environmental Code, in accordance with the amendment to the Act according to SFS 2018: 1862.
SFS 2018:2003	Waste Ordinance.
AFS 2018:01	Occupational exposure limits and measures against air pollution.
AFS 2018:02	Chemical work environment risks.
MSBFS 2018:05	Regulations on the transport of dangerous goods by road and terrain. (ADR)
TSFS 2015:66	Transport Agency's regulations on transport by sea of packaged dangerous goods. (IMDG)

15.2 Chemical safety assessment

No chemical safety assessment is required.

16. OTHER INFORMATION

Full text of H-phrases referred to under sections 2:

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H412	Harmful to aquatic life with long lasting effects.

This safety data sheet is prepared in accordance with the existing European regulations.

This SDS is based on Eradur AB's current knowledge and experience, and to serve as a guide for safe handling of the product. This SDS should be used along with other product technical information. The user is made aware of the risks that may occur if the product is used for purposes other than its intended purpose.

It is the sole responsibility to take all precautions required in handling the product. The information provided herein is not exhaustive and does not exonerate the user from ensuring that legal obligations exist, and for which he alone is responsible.