

# SAFETY DATA SHEET

2020-08-03 Version 1

Replaces -

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

### 1.1 Product identifier

# ERADUR RESISTENT LM3, 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](http://www.eradur.com)  
[info@eradur.com](mailto: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: Skin Corr. 1C; Eye Dam. 1; Skin Sens. 1B; Muta. 2; Repr. 1B; Aquatic Chronic 2;



### 2.2 Label elements

Labelling: GHS 05, GHS 07, GHS 08, GHS 09  
Signal word: Danger  
Contains: Epoxy constituents

H-Phrases	H314 H317 H341 H360F H411	Causes severe skin burns and eye damage. May cause an allergic skin reaction. Suspected of causing genetic defects. May damage fertility or the unborn child. Toxic to aquatic life with long lasting effects.
P-Phrases:	P264 P270 P272 P273 P280 P314 P321 P363 P301+P330+P331 P304+P340+P310  P309+P311 P303+P361+P352  P305+P351+P338  P391	Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. Get medical advice/attention if you feel unwell. Specific treatment (see ... on this label). Wash contaminated clothing before reuse. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor/... IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician. IF ON SKIN(Or hair):Take off immediately all contaminated clothing. Wash with plenty of water/... IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Collect spillage.

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.

**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 EEC (*)	EC 1272/2008 (*)
Phenol, polymer with formaldehyde, glycidyl ether	28064-14-4	608-164-9	30-60%		Skin Irrit. 2, H315; Skin Sens. 1, H317; Eye Irrit. 2, H319 Aquatic Chronic 2, H411
Reaction mass of 1-(2,3-epoxypropoxy)-2,2-bis((2,3-epoxypropoxy)methyl), butane and 1-(2,3-epoxypropoxy)-2-(2,3-epoxypropoxy)methyl)-2-hydroxymethyl butane	-	-	30-60%		Skin Corr. 1C; H314 Eye Dam. 1; H318 Skin Sens. 1B; H317 Muta. 2; H341 Repr. 1B; H360F Aquatic Chronic 2; H411

(\*) 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 milk 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:	Yellowish liquid.
Flash point:	> 100 °C
Melting point:	N/A
Viscosity 25 °C:	7 000-13 000 mPa s
Density:	ca 1,2 g/cm <sup>3</sup>
Vapour pressure:	< 0.1 hPa (20 °C)

### 9.2 Other information

Solubility in water:	N/A
Solubility in organic solvents:	N/A

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

No hazardous reactions known under normal conditions of use.

**10.2 Chemical stability**

Stable if used properly.

**10.3 Possibility of hazardous reactions**

No special risks that need to be mentioned.

**10.4 Conditions to avoid**

Avoid release to the environment.

**10.5 Incompatible materials**

Strong acids and strong bases  
Strong oxidizing agents

**10.6 Hazardous decomposition products**

Carbon oxides  
In case of fire, hazardous and toxic flue gases are formed

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**11. TOXICOLOGICAL INFORMATION**


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**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:

Acute oral toxicity: Product                      LD50 oral: 2 000 mg/kg (Rat)  
Method: Calculation

Acute inhalation toxicity                              N/A

Acute dermal toxicity:

Phenol, polymer with formaldehyde,              LD50 (Rat): > 2 000 mg/kg  
glycidyl ether

Reaction mass of 1-(2,3- epoxypropoxy)-      LD50 (Rat): > 3 170 mg/kg  
2,2-bis ((2,3- epoxypropoxy)methyl),  
butane and 1-(2,3-epoxypropoxy)-2-((2,  
,3-epoxypropoxy)methyl)-2-  
hydroxymethyl butane

In case of ingestion strong corrosive effect in oral cavity and throat. Risk of perforation of esophagus and stomach. Under recommended storage and handling conditions, the risk of inhaling hazardous vapors or mists is small.

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**12. ECOLOGICAL INFORMATION**


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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.

<p>Aquatic toxicity:</p> <p>Acute toxicity:</p>		<p>(Data for Phenol, polymer with formaldehyde, glycidyl ether):</p>	
	LC50 / 96h:	Oncorhynchus mykiss:	1,5 mg/l.
	EC50 / 48h:	Daphnia magna:	1,7 mg/l.
	EC50 / 72h:	Selenastrum capricornutum	9,4 mg/l

<p>Aquatic toxicity:</p> <p>Acute toxicity:</p>		<p>(Data for Reaction mass of 1-(2,3- epoxypropoxy)-2,2-bis ((2,3- epoxypropoxy)methyl), butane and 1-(2,3- epoxypropoxy)-2-((2, ,3- epoxypropoxy)methyl)-2- hydroxymethyl butane):</p>	
	LC50 / 96h:	Fish	75,0 mg/l.
	EC50 / 48h:	Daphnia magna	3,7 mg/l
	ErC50 / 72h:	Pseudokirchneriella subcapitata	9 mg/l

The product contains substances classified as environmentally hazardous. R-phrases in full text see section 16.

**12.2 Persistence and degradability**

Phenol, polymer with formaldehyde, glycidyl ether:

Biodegradability: Inoculum: Sewage (STP wastewater) Concentration: 20 mg / l Result: Not readily degradable.

Biodegradation: 5% Exposure time: 28 d Method: OECD Test Guideline 301F

Stability in water: Degradation half-life (DT50): 4.83 d (25 ° C) pH-value: 4 Method: OECD Test Guideline 111 Note: Fresh water

Degradation half-life (DT50): 7.1 d (25 ° C) pH-value: 9 Method: OECD Test Guideline 111 Note: Fresh water

Degradation half-life (DT50): 3.58 d (25 ° C) pH-value: 7 Method: OECD Test Guideline 111 Note: Fresh water

Reaction mass of 1- (2,3-epoxypropoxy) -2,2-bis ((2,3-epoxypropoxy) methyl) butane and 1- (2,3-epoxypropoxy) -2- ((2,3-epoxypropoxy) methyl) -2-hydroxymethyl butane:

Biodegradability: Inoculum: Sewage (STP wastewater) Concentration: 100 mg / l Result: Not readily degradable.

Biodegradation: 8% Exposure time: 28 d Method: OECD Test Guideline 301F

Inoculum: activated sludge Concentration: 100 mg / l Result: Biodegradable by nature. Biodegradation: 25% Exposure time: 28 d Method: OECD Test Guideline 302B

Stability in water: Half-life for decomposition: approx. 1 yr (25 ° C)

**12.3 Bioaccumulative potential**

Phenol, polymer with formaldehyde, glycidyl ether:

Bioaccumulation: Bioconcentration factor (BCF): 31 Note: Does not bioaccumulate.

Partition coefficient: noctanol / water: log Pow: 3,242 (25 ° C) pH: 7,1 Method: OECD Test Guideline 117

Reaction mass of 1- (2,3-epoxypropoxy) -2,2-bis ((2,3-epoxypropoxy) methyl) butane and 1- (2,3-epoxypropoxy) -2- ((2,3-epoxypropoxy) methyl) -2-hydroxymethyl butane:

Partition coefficient: noctanol / water log Pow: 0.467 (20 ° C)

**12.4 Mobility in soil**

Low potential for adsorption to sewage sludge and soil.

**12.5 Results of PBT and vPvB assessment**

The substance / mixture does not contain any components that are considered to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) in levels of 0.1% or higher ..

**12.6 Other adverse effects**

Environmental hazards can not be ruled out in the event of unprofessional handling or disposal. Toxic to aquatic life with long lasting effects.

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**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.

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**14. TRANSPORT INFORMATION**
**ADR, RID**

14.1 UN-number: 1760

14.2 UN proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (TRIMETHYLOLPROPANE TRIGLYCIDYLETHER)

14.3 Transport hazard class(es): 8

14.4 Packing group: III

**IMDG**

14.1 UN-number: 1760

14.2 UN proper shipping name: Environmentally hazardous substance, liquid, n.o.s. (TRIMETHYLOLPROPANE TRIGLYCIDYLETHER)

14.3 Transport hazard class(es): 8

14.4 Packing group: III

14.5 Environmental hazards: Yes

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

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

Classification and labeling have been performed according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and the intended use. - Industrial applications.

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.

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## 16. OTHER INFORMATION

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

H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H341	Suspected of causing genetic defects.
H360F	May damage fertility or the unborn child.
H411	Toxic to aquatic life with long lasting effects.

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

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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.

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