

**1. Identification of the substance / preparation and**

the SupplierProduktnavn: H 90

PR-nr.: 79733
Art. Nr.: 151724
Produkttype: Epoxyhardner
Leverandør: LKR Epoxy ApS
Snedkergangen 3
2690 Karlslunde
Tlf.: 0045+46 15 36 11
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Ansvarlig: LKR Epoxy ApS

2. Composition / information on ingredients.

The product contains: Amines and non-volatile solvent. The following substances to be declared under the law:

% : 25 to 30
CAS-No. : 38294-64-3
NLP. : 500-101-4
Chemical name : cycloaliphatic amine
Fareklassificer. : C; R34, Xn, R21/22, Xi;
R43-51/53

% : 35 to 40
CAS-No. : 100-51-6
EINECS. : 202-859-9
Chemical name : Benzyl alcohol
Fareklasseficer. : Xn, R20/22

% : 25 to 30
CAS-No. : 2855-13-2
EINECS. : 220-666-8
Chemical Name : 3-aminomethyl-3 ,5,5-
trimethyl-
cyclohexylamine
Fareklasseficer. : Xn, R21/22, C; R34 R43
R52/53

3. Hazard Identification

The product is classified in accordance with applicable legislation: Xi; R36/38 R43 N; R51/53.

People: Irritating and may cause redness, itching and small vesicles. Risk of sensitization to epoxy. Irritating to eyes.

4. First aid measures

Inhalation: Move to fresh air and keep at rest. If uncomfortable: Seek hospital and medbrig safety data sheet.

Skin contact: Rinse immediately skin by first rubbing it thoroughly with liquid soap and then rinse thoroughly with lukewarm water. In case of eczema or other skin disorders: Seek medical attention and bring these instructions.

Eye contact: Rinse immediately with plenty of water for at least 15 minutes. Remove any contact lenses and open eyes wide apart. If irritation persists: Continue flushing during transport to hospital.

5. fire Fighting

Extinguishing Media: Extinguish with foam, carbon dioxide, dry powder or water fog.

Specific hazards: When heated and fire toxic and corrosive gases.

Protective equipment for fire fighters: Fire-extinguishing air-supplied respirator.

6. Accidental release by accident.

Personal precautions: Avoid contact with skin and eyes. For personal protective equipment, see section 8
Environmental precautions: Avoid release to the environment.

Methods for cleaning up spillage with absorbent material. Waste and contaminated materials are collected and removed from the work site as quickly as possible and placed in an appropriate container with an indication of the contents. For waste disposal see section 13

7. Handling and Storage

Handling: Follow good chemical hygiene. Good personal cleaning is required. Wash hands and contaminated areas with soap and water before leaving work.

Technical measures: Use work methods which minimize contact. Technical aids: If possible, use disposable equipment (rags, brushes, spatulas and the like.) Follow safety instructions Labour Inspectorate Executive Order on working with substances and materials (chemical agents) and the Executive Order on working with code-numbered products.

Technical measures: First aid kit incl. Eye wash station should be available at the workplace. Warning signs must be displayed. There must be access to running water, shower and separate dressing room. It is recommended that access to washing facilities including soap, cleansing cream, barrier cream. Technical measures for safe storage: No special requirements.

Storage conditions: Store in tightly closed original container.

8. Exposure controls / personal protection.

Code No.: 00-5 (1993)

Technical measures: Mix and prepare in a place with effective exhaust ventilation.

Personal protection equipment should be chosen according to the CEN stand-ards and in co-operation. The supplier of personal protective equipment.

Respiratory protection: No special requirements.

Hand Protection: Disposable gloves to protect against epoxy and amines with the gloves of cotton.

Eye protection: Wear face shield.

Skin Protection: By sprinkling work, use cap or helmet.

Hygiene measures: Change immediately soaked clothes. Do not eat, drink or smoke.



9. Physical and chemical properties

Appearance: Yellowish liquid
Odor: Slight odor
pH: approx. 11
Boiling point: <+207 ° C.
Flash point: <+112 ° C.
Explosion limits: Not applicable
Density: 1.0 kg / liter
Solubility: Insoluble in water

10. Stability and reactivity

Stability: Stable under the prescribed storage conditions. Hardening approx. 24 hours (v / + 20 ° C).
Conditions / materials to avoid: Heating, moisture, water and amines. Strong oxidizing agents, strong acids and strong bases.

11. Toxicological information (health hazards)

Inhalation: Not relevant at normal room temperatures.
When heated, irritating fumes.
Skin contact: Irritating and may cause redness, itching and small vesicles. Risk of sensitization to epoxy.
Eye contact: Irritating and may cause redness and pain.
Ingestion: Irritating. Nausea, abdominal pain and vomiting may occur.

12. environmental information

Mobility: The product is insoluble in water
Degradability: The degradability of the product is not available.
Ecotoxicity: Toxic to aquatic organisms living in the water, may cause long-term adverse effects in the aquatic environment.
Bioaccumulative potential: Data on bioaccumulation.
Other adverse effects: None known

13. disposal

And residues to be disposed of in accordance with local authority requirements. Waste to be treated as hazardous waste. Waste, debris, empty containers, discarded clothing and used disposable towels should be placed in special waste containers clearly labeled with contents. Note that fully cured material is not considered hazardous waste.

Waste from residues:

EWC code: 08 04 09

KK waste group: H

Waste fraction: 03:51

Contaminated packaging: Contaminated packaging disposed of as waste.

14. transport information

. transport information

UN no. : 2735

Proper shipping name: 2735 AMINES, LIQUID, CORROSIVE, NOS (Cycloaliphatic amine).

Sea (IMDG): Class 8, PG: III, MP: Yes, EmS: F-A, S-B, MFAG: 1

Inland waterways: To be handled locally.

Country (ADR / RID): Class: 8, Emballagegr.: III

Primary risk label: 8 Hazard label: -

Air (ICAO / IATA): Class: 8 PG: III

15. Regulatory information Labelling



Corrosive (C)



Dangerous for the environment (N)

Contains: Benzyl alcohol, **2-piperazin-1-yl-ethyl** amine, nonyl phenol **and 4,4'**-methylenbiscyclohexylamin.

R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.

R34: Causes burns

R43: May cause sensitization by skin contact

R51/53: Toxic to aquatic organisms, aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S26: in the eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39: Wear suitable protective clothing and gloves.

S45: In case of accident or if you feel unwell, seek lægebehandling show the label if possible.

S60: This material and its container must be disposed of as hazardous waste.

S61: Avoid release to the environment. Refer to special instructions / Safety Data Sheets

Danish rules: Young people under 18 can not generally work with this product. Users must be carefully instructed in the proper work procedure, the dangerous properties and necessary safety security measures.

Users must have gone through a workplace exposure approved course on working with epoxy resins and isocyanates, etc.

People who have eczema, excessive perspiration or allergy to epoxy may not work with this product.

**15. continued**

National regulation: Statutory Order No. 329 of 16 May 2002 on classification, packaging, labeling, sale and storage of chemical substances and products.

Order No. 292 of 26 April 2001 on work with substances and materials (chemical agents).

Ministry of Employment Order No. 559 of 4 July 2002 laying down specific duties of manufacturers, suppliers of importers etc.. For substances and materials for the Working Environment Act.

Executive Order No. 302 of 13 May 1993 on working with code-numbered products.

Order No. 516 of 14 June 1996 on youth employment, as last amended by Executive Order No. 76 of 3 February 1998.

Commission Decision 2000/532/EC as amended by Decision 2001/118/EC establishing a list of wastes and hazardous waste according to Commission Directive 75/442/EEC on waste, Directive 91/689/EEC on hazardous waste, with changes.

16. other information

For restrictions on use see section 15

Unless otherwise stated, the information contained in this safety data sheet to use mixture.

Wording of Risk Phrases:

R20/22 Harmful by inhalation and if swallowed

R21/22 Harmful in contact with skin and if swallowed.

R22 Harmful if swallowed.

R34 Causes burns

R35 Causes severe burns.

R36/38 Irritating to eyes and skin

R43 May cause sensitization by skin contact.

R51/53 Very toxic to aquatic organisms, aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The following sections contain revisions or

New data: 2, 3, 7, 8, 12, 13, 14, 15, 16

Disclaimers:

The information in this SDS is based on the DTC

possession on the date of preparation and are given below

provided that the product is used under the conditions specified in

accordance with the application specified in the

packaging or in the technical literature.

Any other use of

product, if any. in combination with other products or processes,

is at the user's own risk.