



NECURON[®] K8 A

Safety Data Sheet

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1. Identification of the substance/preparation and of the company/undertaking

Product details

Trade name: NECURON[®] K8 A-Component

Utilization of the substance of the formulation: Epoxiresin for the production of duromere



Manufacturer/Supplier: NECUMER-PRODUCT GmbH
Bruchheide 16
49163 Bohmte
Tel.: +49 (0) 5471-95020
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2. Composition/information on ingredients

Chemical characterization

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 25068-38-6 NLP: 500-033-5	reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)  Xi,  N; R 36/38-43-51/53	50-100%
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Additional information: For the wording of the listed risk phrases refer to section 16.

3. Hazards identification

Hazard description:



Xi Irritant



N Dangerous for the environment

Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 36/38 Irritating to eyes and skin.

R 43 May cause sensitisation by skin contact.

R 51/53 Toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.



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Contains epoxy constituents. See information supplied by the manufacturer.

Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

4. First-aid measures

After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact: Immediately wash with water and soap and rinse thoroughly.

After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After swallowing: If symptoms persist consult doctor.

5. Fire-fighting measures

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water with full jet

Special hazards caused by the substance, its products of combustion or resulting gases:

Formation of toxic gases is possible during heating or in case of fire.

Carbon monoxide (CO)

Hydrogen chloride (HCl)

Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

6. Accidental release measures

Person-related safety precautions: cover accouterment bear , exposed person remove

Measures for environmental protection: Do not allow to enter sewers/ surface or ground water.

Measures for cleaning/collecting:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.



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7. Handling and storage

Handling:

Information for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Take care by opening

Information about fire - and explosion protection: Keep ignition sources away - Do not smoke.

Storage:

Requirements to be met by storerooms and receptacles:

Keep container tightly closed and dry and storage in a good ventilated room.

Storage temperature: 15 - 25 °C.

Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions: Keep container tightly sealed.

8. Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

Additional information: The lists valid during the making were used as basis.

Personal protective equipment:

General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Respiratory protection: Not necessary if room is well-ventilated.

Protection of hands:

Protective gloves



The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation



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Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles



Body protection: Protective work clothing

9. Physical and chemical properties

General Information

Form:	Fluid
Colour:	According to product specification
Odour:	Characteristic
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	200°C
Flash point:	> 200°C
Self-igniting:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.
Density at 20°C:	1.1 g/cm ³
Solubility in / Miscibility with water:	Insoluble.
Viscosity: Dynamic at 20°C:	30000 mPas

10. Stability and reactivity

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Dangerous reactions

Reacts with amines.

Exothermic polymerization.

Violent reactions with strong alkalis and oxidizing agents.

Dangerous decomposition products: Irritant gases/vapours



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11. Toxicological information

Acute toxicity:

Primary irritant effect:

on the skin: Irritant to skin and mucous membranes.

on the eye: Irritating effect.

Sensitization: Sensitization possible through skin contact.

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

12. Ecological information

Ecotoxicological effects:

Remark: Toxic for fish

General notes:

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

13. Disposal considerations

Product:

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.



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14. Transport information

Land transport ADR/RID (cross-border)



ADR/RID class: 9 Miscellaneous dangerous substances and articles.

Danger code (Kemler): 90

UN-Number: 3082

Packaging group: III

Hazard label 9

Description of goods: 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight \leq 700))

Maritime transport IMDG:



IMDG Class: 9

UN Number: 3082

Label 9

Packaging group: III

EMS Number: F-A,S-F

Marine pollutant: Yes

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight \leq 700))

Air transport ICAO-TI and IATA-DGR:



ICAO/IATA Class: 9

UN/ID Number: 3082

Label 9

Packaging group: III

Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight \leq 700))



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15. Regulatory information

Labelling according to EU guidelines:

The product has been classified and marked in accordance with EU Directives/ Ordinance on Hazardous Materials.

Code letter and hazard designation of product:

Xi Irritant

N Dangerous for the environment

Hazard-determining components of labelling:

reaction product: bisphenol-A-(epichlorhydrin) epoxy resin (number average molecular weight ≤ 700)

Risk phrases:

36/38 Irritating to eyes and skin.

43 May cause sensitisation by skin contact.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases:

23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).

24 Avoid contact with skin.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

28 After contact with skin, wash immediately with plenty of water.

37/39 Wear suitable gloves and eye/face protection.

57 Use appropriate container to avoid environmental contamination.

Special labelling of certain preparations:

Contains epoxy constituents. See information supplied by the manufacturer.

National regulations:

Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.

16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant R-phrases

36/38 Irritating to eyes and skin.

43 May cause sensitisation by skin contact.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Contact:

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