

FFE-200 Fitting & Fairing Epoxy - Activator

Date: 04.08.2009

Date of revision:

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

Product name: FFE-200 Fitting & Fairing Epoxy – Activator

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Field of application: Fitting and fairing epoxy.

2. Hazards identification:

The product is not classified according to current EU-directive.

Code no.: 00 – 1 (1993) (Denmark)

Ready-to-use mixture: 00 – 5 (1993)

3. Composition/information on ingredients:

According to the manufacturer the product does not contain any classified substances.

Modified Aliphatic Amine and Modified Polyamido Amine.

4. First aid measure:

Generally: Never give anything by mouth if patient is unconscious or have convulsions. Whenever in doubt, seek medical advice.

Inhalation: Move victim to fresh air. If breathing has stopped or is laboured, give assisted respiration. Seek medical advice.

Skin contact: Remove product and IMMEDIATELY flush area with water for 15 minutes. Remove contaminated clothing and shoes. Cover affected area with sterile dressing or clean sheeting. Do NOT apply greases or ointments.

Eye contact: Flush eyes with large amounts of water for 15 minutes. Open eyes wide. Seek medical attention.

Ingestion: Administer 3-4 glasses of milk or water. Do NOT induce vomiting. Seek medical advice.

5. Fire-fighting measures:

Extinguishing media: Use powder, water spray, foam or CO₂.

Fire hazards: Product may generate toxic or irritating combustion products. May generate CO, nitrogen oxide or ammonia gasses.

Personal protection: Wear suitable protective equipment including self-containing breathing apparatus.

Hazardous reactions: Can autoignite in air at approx. 300 °C

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6. Accidental release measures:

Personal precautions:	Stop the leak if possible. Ventilate the area. Reduce the vapour spread with water spray. Shut off or remove ignition sources. Wear personal protection, see section 8.
Environmental precautions:	Do not emit to the water- or soil environment or sewers. In case of pollution, contact the local environmental authorities.
Methods for cleaning up:	Construct a dike to prevent spreading. Mix spillage with dry soil, sand or a non-reactive absorbent and collect in suitable containers for destruction, see section 13.

7. Handling and storage:

Handling:	AVOID spraying the product. Avoid contact with eyes and skin. Avoid breathing vapour. Wear personal protection, see section 8. Do not eat, drink or smoke during handling.
Storage:	Store under a nitrogen atmosphere. Keep product away from acids and oxidizers. Keep product in a cool, dry and ventilated area in closed containers. Do NOT store in iron or other reactive metal containers.

8. Exposure controls/personal protection:

Engineering controls:	Ensure adequate ventilation. Emergency showers and eyewash stations should be readily available.
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Occupational exposure limits:

None.	<u>Long-term:</u>	<u>Short-term:</u>
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Personal protection:

Respiratory protection:	Not needed with adequate ventilation. If adequate ventilation is not possible, the manufacturer recommend use of organic cartridge respirator.
Eye protection:	Use suitable goggles.
Hand protection:	Use suitable protective gloves. Gloves should be chosen in consultation with the glove supplier, with information on effects from other substances in the work place.
Skin protection:	Use impervious work clothes.
Work hygiene:	Wash hands/skin before eating, drinking, and smoking, after using the toilet and after each work period. Promptly remove contaminated clothing. Use appropriate hand and skin lotions to protect the skin. Discard contaminated leather articles.

9. Physical and chemical properties:

Appearance/colour/odour:	Light tan low viscosity liquid with amine odour
Boiling point:	Decomposes
Vapour density:	6,53 (air=1)
Vapour pressure:	< 1,0 mm Hg
Flame point:	> 93,3 °C
Density:	0,975
Solubility in water:	Slight

10. Stability and reactivity:

Stability:	The product is stable.
Materials to avoid:	Epoxy resins under uncontrolled conditions.
Hazardous decompositions products:	Nitrogen oxides.
Hazardous polymerisation:	Will not occur.

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11. Toxicological information:

Acute toxicity:	LD50 (dermal): approx. 660 mg/kg LD50 (oral, rat): 2140-3990 mg/kg
Inhalation:	May cause respiratory sensitisation or asthma in susceptible persons. Excessive exposure may cause irritation to upper respiratory tract. Prolonged or repeated exposure may cause allergic reaction, adverse respiratory effects such as coughing, shortness of breath, tightness of the chest. Effects after inhalation may be delayed. Dryness of nasal passages may be experienced when inhaled over a long period.
Skin contact:	May cause severe injury to skin following prolonged or repeated contact and may cause skin sensitisation or other allergic responses. A single prolonged exposure may result in material being absorbed through the skin in harmful amounts. Prolonged or repeated exposure may cause adverse skin effects such as rash and irritation.
Eye contact:	May cause severe eye irritation with corneal injury, which may result in permanent impairment of vision, even blindness. Prolonged or repeated exposure may cause adverse eye effects such as conjunctivitis or corneal damage.
Ingestion:	Ingestion may cause gastrointestinal irritation or ulceration.
Sensitisation:	May cause sensitisation by skin contact.
Other information:	By overexposure the product may cause asthma, chronic respiratory diseases, skin disorders and allergies.

12. Ecological information:

Do not emit to the water- or soil environment or sewers. In case of pollution, contact the local environmental authorities.

13. Disposal considerations:

Material should be disposed of in accordance with National and Local regulations.

14. Transport information:

Not dangerous goods.

15. Regulatory information:

According to EEC Directive 67/548/EEC the product is labelled as follows:

Symbol:	None
R-phrases:	None
S-phrases:	None

16. Other information:

R-phrases section 3:
None.

Revised: Revised in section:

The directions are given assuming the product is used for its normal purpose. It is however always the responsibility of the user to comply with national legislation's. The information in this Safety Data Sheet should be understood as a description for safe handling of the product and is no guarantee for the properties of the product.