

SAFETY DATA SHEET



Document number	First issued	Revision date	Revision	Issued by	Page
SA13334012-ENG-03	2004-08-09	2012-12-01	2	Christine Diedrich	1 of 8

Bondmaster E32A

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

1.1 Product identifier

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1.2 Relevant identified uses of the substance or mixture and uses advised against

Are of use: Adhesive

1.3 Details of the supplier of the safety data sheet

Supplier:

ALFA LAVAL Tumba AB

Hans Stahles väg
SE-147 80 Tumba
Sweden

Tel: +46 8 53 06 50 00

Fax: + 46 8 53 06 52 59

Manufacture:

GA Lindberg Chemtech AB

Box 6044
16406 Kista
Sweden

Tel. +46 87030200

www.galindberg.se

e-mail: sds.question@alfalaval.com

1.4 Emergency telephone number: Dial in case of emergency poisoning and ask for Poison Information both day and night. Dial + 46 (0) 8-331231 if you have other questions concerning acute poisonings mon-fri 9.00-17.00

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2. Hazards identification

2.1 Classification of the substance or mixture Xi; R36/38-R43
N; R51/53

2.2 Label elements

Hazard pictograms

Xn, N



Harmful



Dangerous for the environment

Risk phrases

R36/38 Irritating to eyes and skin
R43 May cause sensitisation by skin contact
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Safety phrases

S24 Avoid contact with skin
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection
S61 Avoid release to the environment. Refer to special instructions/safety data sheet

Additional labeling

Contains epoxy compound.
See information from manufacturer.

2.3 Other hazards

Contains epoxy compound.

3. Composition/information on ingredients

3.2 Mixtures

Declaration of the constituents according to CLP 1272/2008/EC

Substances	Registration No.	Weight - (%)	CAS No.	EC No	Classification
Reactions product of Bisphenol A and epichlorhydrine (average molecular weight < 700)	-	>50	25068-38-6	500-033-5	Eye Irrit. 2; H319 Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Chronic 2; H411
Neodecanoic acid, 2,3-epoxypropyl ester	-	1-5	26761-45-5		Skin Sens. 1 H317 Aquatic Chronic 2 H411

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Declaration of ingredients constituents to 1999/45/EC					
Substances	Registration No.	Weight - (%)	CAS No.	EC No	Classification
Reactions product of Bisphenol A and epichlorhydrine (average molecular weight < 700)	-	>50	25068-38-6	500-033-5	Xi; R36/38 R43 N; R51-53
Neodecanoic acid, 2,3-epoxypropyl ester	-	1-5	26761-45-5		R43-51/53
See section 16 for explanation to R-phrases and/or Hazard statements					

4. First aid measures	
<p>4.1 Description of first aid measures</p> <p>General recommendations</p> <p>First aid – eye contact</p> <p>First aid- skin contact</p> <p>First aid- ingestion</p> <p>First aid- inhalation</p> <p>4.2 Most important symptoms and effects, both acute and delayed</p> <p>4.3 Indication of any immediate medical attention and special treatment needed</p>	<p>Consult a physician. Show this safety data sheet to a physician.</p> <p>Immediately irrigate with eyewash solution or tepid clean water, holding the eyelids apart, for at least 10minutes. Remove contact lenses. Get medical attention.</p> <p>Wash skin with soap and water. If symptoms develop, obtain medical attention.</p> <p>Drink a lot of water provided that the person is fully conscious. Do not induce vomiting. Get medical attention.</p> <p>Remove to fresh air. Get medical attention if symptoms persists.</p> <p>No information</p> <p>No specific treatment. Treat symptomatically. Eye wash and emergency shower should be provided at the workplace</p>

5. Firefighting measures	
<p>5.1 Extinguishing media</p> <p>5.2 Special hazards arising from the substance or mixture</p> <p>5.3 Advice for firefighters</p>	<p>Water fog, foam, carbon dioxide and powder.</p> <p>Thermal decomposition products are hazardous and/or toxic gases e.g. carbon monoxide, carbon dioxide and unknown organic compounds.</p> <p>Use breathing apparatus and protective clothing.</p>

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6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures	Avoid directly contact with the product and provide for good ventilation. See section 8 for more information.
6.2 Environmental precautions	Prevent product from entering drains, sewers or open waters. Use absorbent material such as sand or earth.
6.3 Methods and material for containment and cleaning up	
a) Small spills	For small spillage wipe up with paper towel and place in container for disposal. Disposal should be treated as hazardous waste to environment.
b) Large spills	Absorb spillages onto sand, earth or any suitable adsorbent material. Wash the spillage area with water. Disposal should be treated as hazardous waste to environment.
6.4 Reference to other sections	Personal protection, see section 8. Disposal, see section 13.

7. Handling and storage

7.1 Precautions for safe handling	The product shall only be used in well ventilated areas. Avoid directly contact with product for minimizing the risk for allergy.
7.2 Conditions for safe storage, including any incompatibilities	Keep containers properly sealed when not in use. Protect from heat. Store at room temperature, 18 - 25 °C.
7.3 Specific end use	No information

8. Exposure controls/personal protection

8.1 Control parameters	No national occupational exposure limit values
8.2 Exposure controls	Provide for good ventilation and industrial hygiene.
Appropriate engineering controls	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and after work.
Eye/face protection	Safety glasses should be worn to protect against splashing.
Hand protection	Directly contact may cause skin sensitisation. The use of chemically resistant gloves (nitril) is recommended
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Other protection	Wear protective clothing.
Environmental exposure controls	See section 6.

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9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	White paste
Odour	Slight
Odour threshold	No information
pH (X °C)	No information
Melting point/freezing point	No information
Initial boiling point and boiling range	No information
Flash point	> 100 °C
Evaporation rate	No information
Flammability (solid, gas)	No information
Upper/lower flammability or explosive limits	No information
Vapour pressure	No information
Vapour density	No information
Relative density	No information
Solubility(ies)	Insoluble in water
Partition coefficient: n-octanol/water	No information
Auto-ignition temperature	No information
Decomposition temperature	No information
Viscosity	100000 mPas
Explosive properties	No information
Oxidising properties	No information
9.2 Other information	Specific gravity: 1,38 g/cm ³ .

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10. Stability and reactivity

10.1 Reactivity	No information
10.2 Chemical stability	Stable under normal conditions
10.3 Possibility of hazardous reactions	No information
10.4 Conditions to avoid	Elevated temperatures
10.5 Incompatible materials	Avoid strong acids, bases, oxidizing substances and amines.
10.6 Hazardous decomposition products	Combustion of the product will give hazardous products. See section 5 for more information.

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity	No information
Irritation	Will cause eye irritation. Irritating to the skin. Unlikely to be hazardous by inhalation because of the low vapor pressure of the material at ambient temperature. Toxic gases can be formed at high temperature.
Corrosivity	No information
Sensitisation	Repeated contact may cause skin sensitization. Sensitizer.
Repeated dose toxicity	No information
Carcinogenicity	No information
Mutagenicity	No information
Toxicity for reproduction.	No information

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12. Ecological information

12.1 Toxicity	No data available.
12.2 Persistence and degradability	Not readily biodegradable.
12.3 Bioaccumulative potential	The product has high potential for bioaccumulation.
12.4 Mobility in soil	No information
12.5 Results of PBT and vPvB assessment	No information
12.6 Other adverse effects	Toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. Prevent product from entering drains, open waters, swage system or earth.

13. Disposal considerations

13.1 Waste treatment methods	Dispose of in accordance with local regulations.
EWC code:	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities. Example of EWC code: 16 05 08.

14. Transport information

	ADR/RID-S	IMDG	IATA
14.1 UN number	3082	3082	3082
14.2 UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (contains epoxy resin)	Environmentally hazardous substance, liquid, n.o.s. (contains epoxy resin)	Environmentally hazardous substance, liquid, n.o.s. (contains epoxy resin)
14.3 Transport hazard class(es)	9	9	9
14.4 Packing group	III	III	III
14.5 Environmental hazards	Environmentally hazardous substance	Marine pollutant	Environmentally hazardous substance
14.6 Special precautions for user	-	-	-

Document number	First issued	Revision date	Revision	Issued by	Page
SA13334012-ENG-03	2004-08-09	2012-12-01	2	Christine Diedrich	8 of 8

Bondmaster E32A

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	-	-	-
	Class Cod: M6 Limit volume: LQ7 Dangerous no: 90	EmS: F-A S-F Limit volume: 5 liter Flash point >100 °C	

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture European Waste Catalogue and Hazardous Waste List

15.2 Chemical safety assessment No.

16. Other information

Hazard statements/Risk phrases

R36/38 Irritating to eyes and skin
R38 Irritating to skin
R43 May cause sensitisation by skin contact
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

H315 Causes skin irritation
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation
H341 Suspected of causing genetic defects

Important changes have been made in section General update according to EU 453/2010.

LIMITATION OF LIABILITY

This document is only intended to be used as guidance as regards the risks of which we are aware that are associated with the product. Every individual who works with the product or in close proximity of it must receive suitable training. Individuals who come into contact with the product must be capable of using their own judgement as regards conditions or methods for handling, storing and using the product. Alfa Laval is not liable for demands, losses or damage of any kind that arise from flaws or deficiencies in this document or from using, handling, storing or disposing of the product unless it can be proven that Alfa Laval has acted in a grossly negligent manner. **Beyond what has been agreed upon and specified in writing with Alfa Laval in the individual case, Alfa Laval makes no promises or assumes any liability, including but not limited to implicit guarantees regarding marketability or appropriateness in terms of both the information provided in this document and the product to which the information refers.**