

SAFETY DATA SHEET



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

1.1 Product identifier

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1.3 Supplier

ALFA LAVAL Tumba AB

Manufacture

GA Lindberg Chemtech AB

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

Hans Stahles väg
SE-147 80 Tumba
Sweden
Tel: +46 8 53 06 50 00
Fax: + 46 8 53 06 52 59

Box 6044
16406 Kista
Sweden
Tel.+46 87030200
www.galindberg.se

Identified: Adhesive

e-mail: sds.questions@alfalaval.com

1.4 Emergency telephone number: Dial 112 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

2. Hazards identification

2.1 Classification of the substance or mixture

Irritating
May cause sensitization by skin contact.

2.2 Label elements

Hazard pictograms

Xi



Irritating

Signal word

-

Hazard statements/Risk phrases

R36/38 Irritates eyes and skin.
R43 May cause sensitization by skin contact.

Precautionary statements /safety phrases

S24 Avoid contact with skin.
S37 Wear suitable gloves.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

2.3 Other hazards

No information

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3. Composition/information on ingredients

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

Substances	Registration No.	Weight - (%)	CAS No.	EC No	Classification
Diazaoktandiamin	-	5-10	112-24-3	203-950-6	Acute Tox. 4 * H312 Skin Corr. 1B H314 Skin Sens. 1 H317 Aquatic Chronic 3 H412
Dimetyldiaminopropan	-	1-5	109-55-7	203-680-9	Flam. Liq. 3 H226 Acute Tox. 4 * H302 Skin Corr. 1B H314 Skin Sens. 1 H317

Declaration of ingredients constituents to 1999/45/EC

Substances	Registration No.	Weight - (%)	CAS No.	EC No	Classification
Diazaoktandiamin	-	5-10	112-24-3	203-950-6	R21-34-43-52/53
Dimetyldiaminopropan	-	1-5	109-55-7	203-680-9	R10-22-34-43

See section 16 for explanation to R-phrases and/or Hazard statements

4. First aid measures

4.1 Description of first aid measures

Allmänna rekommendationer

Contact a doctor if necessary, show this safety data sheet.

First aid – eye contact

Flush eyes for a long time with plenty of water. Seek medical attention if pain persists.

First aid- skin contact

Contact a doctor if necessary. Wash skin with soap and water.

First aid- ingestion

Give plenty of water. Do not induce vomiting. Never give anything by mouth to an unconscious person.

First aid- inhalation

Provide fresh air.

4.2 Most important symptoms and effects, both acute and delayed

No information

4.3 Indication of any immediate medical attention and special treatment needed

No information

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5. Firefighting measures

5.1a Suitable extinguishing media	Water spray, foam, CO2 or powder.
5.1b Unsuitable extinguishing media:	Directed water jet.
5.2 Special hazards arising from the substance or mixture	In the event of fire, carbon oxides, carbon dioxides and other unidentified organic compounds may develop.
5.3 Advice for fire-fighters	A breathing apparatus is necessary for protection against poisonous gasses.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures	Use specified safety equipment according to section 8.
6.2 Environmental precautions	Prevent the material from entering drains or watercourses.
6.3 Methods and material for containment and cleaning up	Adsorb spillages onto sand, earth or any suitable adsorbent material. Scrape up and place in suitably labeled container for disposal.
6.4 Reference to other sections	For personal protection see section 8 and for waste treatment see section 13.

7. Handling and storage

7.1 Precautions for safe handling	Avoid direct contact with the product.
7.2 Conditions for safe storage, including any incompatibilities	Store in a cool and dry place.
7.3 Specific end use	No information

8. Exposure controls/personal protection

Control parameters

national occupational exposure limit values that correspond to Community occupational exposure limit values in accordance with Directive 98/24/EC, including any notations as referred to in Article 2(1) of Commission Decision 95/320/EC

Substance	CAS No	15 min		8 h		Notifications
		ppm	mg/m3	ppm	mg/m3	
Diazaoktandiamin	112-24-3	2	12	1	6	Exposure values for Sweden.

8.2 Exposure controls

Appropriate engineering controls	Arrange good general ventilation. Exercise good industrial hygiene practice. Wash hands after handling before eating, drinking, smoking and at the end of the work.
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Eye/face protection	Use approved eye protection.
Hand protection	Nitrile rubber or Viton gloves are recommended. Supplier of gloves should be contacted in order to find the appropriate type. Cotton, wool or other absorbent gloves should not be worn.
Respiratory protection	Normally not necessary.
Other protection	Working clothes and working shoes.
Environmental exposure controls	See section 6

9. Physical and chemical properties

9.1

Appearance	Black paste
Odour	Amine
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	77 °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	55000 mPas.
Explosive properties	No information
Oxidising properties	No information
9.2 Other information	Specific gravity 1,06 g/cm ³ .

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10. Stability and reactivity

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	None known
10.4 Conditions to avoid	Avoid strong oxidizing substances. Avoid acids. Avoid heat.
10.5 Incompatible materials	Avoid strong oxidizing substances. Avoid acids.
10.6 Hazardous decomposition products	Combustion products are carbon oxides, carbon dioxides and other unidentified organic compounds.

11. Toxicological information

11.2 Mixtures

Acute toxicity	No information
Irritation	Irritating to eyes and skin
Corrosivity	Irritating
Sensitisation	May cause sensitization by skin contact.
Repeated dose toxicity	The toxicological properties of this product have not been fully evaluated. Use of good industrial hygiene practices is required. Avoid direct contact with skin or eyes. Do not ingest or inhale.
Carcinogenicity	Not expected to be carcinogenic
Mutagenicity	Not expected to be carcinogenic
Toxicity for reproduction.	Not expected to be toxic to reproduction

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12. Ecological information						
12.1 Toxicity						
Hazardous components	Value type	Value	Acute toxicity study	Exposure time	Species	Method
-	-	-	-	-	-	-
12.2 Persistence and degradability			No results from ecological tests available. Do not release product into drain or water systems.			
12.3 Bioaccumulative potential			No information			
12.4 Mobility in soil			No information			
12.5 PBT/VPvB assessment			No information			
12.6 Other adverse effects			Contains components that are harmful to aquatic organisms, and may cause long-term adverse effects in the aquatic environment. Do not release product into drain or water systems.			

13. Disposal considerations	
13.1 Waste treatment methods	Dispose of in accordance with local regulations.
13.3 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. Recommendation. EWC code: 08 04 00.

14. Transport information			
	ADR/RID-S	IMDG	IATA
14,1 UN number	<i>Not dangerous goods</i>	<i>Not dangerous goods</i>	<i>Not dangerous goods</i>
14.2 UN proper shipping name (eng)			
14.3 Transport hazard class(es)			
14.4 Packing group			
14.5 Environmental hazards			
14.6 Special precautions for user			

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15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	<i>Lagar gällande för ämnet/beredningen när det gäller hälsa, säkerhet och miljö ska anges</i>
15.2 Chemical safety assessment	Not performed for this product

16. Other information

Hazard statements/Risk phrases	<p>H226 Flammable liquid and vapour. H302 Harmful if swallowed. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H317 May cause an allergic skin reaction. H412 Harmful to aquatic life with long lasting effects.</p> <p>R10 Flammable. R21/22 Harmful in contact with skin and if swallowed. R34 Causes burns. R36/38 Irritates eyes and skin. R43 May cause sensitization by skin contact. R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. S24 Avoid contact with skin. S37 Wear suitable gloves. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.</p>
Important changes have been made in section	General update according to (EU) No 453/2010
Key literature references and sources for data	Safety data sheet from supplier

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.**

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