



HEALTH AND SAFETY PRODUCT INFORMATION

Product: Plastic repair adhesive FAST part 'A'

Date: 1st May 2009

Product code: 472767 and 472774

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1.

Name and Address
INDASA Abrasives (UK) Limited, Viking Works, Greenstead Road, Colchester CO1 2ST Tel : 01206 870366 Fax : 01206 860525 Email : office@indasa.co.uk

2.

Composition/Information on ingredients			
Substance	EINECS/ELINCS	CAS Range [%]	Symbol / R-phr.
Polyoxypropylendiamine		9046-10-0	1 - < 5 C-34
2,2'-Dimethyl-4,4'-methylenebis(cyclohexylamine)	229-962-1	6864-37-51	< 3 N- C- T-22-23/24-35-51/53
4,6-Diethyl-2-methyl-1,3-benzenediamine	270-877-4	68479-98-1	2,5 - < 5 N-Xn-21/22-36-48/22-50/53

3.

Hazards identification
R 36/38: Irritating to eyes and skin. R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4.

First-Aid measures
Inhalation Ensure supply of fresh air. In the event of symptoms refer for medical treatment.
General information Change soaked clothing.
Eye contact In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.
Skin contact When in contact with the skin, clean with soap and water. Consult a doctor if skin irritation persists.
Ingestion Do not induce vomiting. Rinse out mouth and give plenty of water to drink. Supply with medical care.
Advice to doctor Treat symptomatically.

5.

Fire-Fighting measures
Suitable extinguishing media Foam. Dry powder. Water spray jet. Carbon dioxide.
Extinguishing media that must not be used Full water jet.
Special exposure hazards arising from the substance or preparation itself or combustion products Risk of formation of toxic pyrolysis products. In the event of fire the following can be released: Nitrogen oxides (NO _x).
Special protective equipment for firefighters Use self-contained breathing apparatus. Do not inhale explosion and/or combustion gases.
Additional information Fire residues and contaminated firefighting water must be disposed of in

accordance with the local regulations.

6.

Accident release measures

Personal precautions

Use personal protective clothing. Use breathing apparatus if exposed to vapours/dust/aerosol. High risk of slipping due to leakage/spillage of product.

Methods for cleaning up/taking up

Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). Dispose of absorbed material in accordance with the regulations.

Environmental precautions

Do not discharge into the drains/ surface waters/ groundwater. Prevent spread over a wide area (e.g. by containment or oil barriers).

7.

Handling and storage

Advice on safe handling

Use only in well-ventilated areas. Avoid spilling or spraying in enclosed areas.

Advice on protection against fire and explosion

No special measures necessary.

Requirements for storage rooms and vessels

Prevent penetration into the ground. Keep only in original container.

Advice on storage compatibility

Do not store together with acids. Do not store together with oxidizing agents

Further information on storage conditions

Keep container tightly closed. Keep container in a well-ventilated place.

Store in a dry place.

8.

Exposure controls/personal protection

Additional advice on system design

Ensure adequate ventilation on workstation.

Ingredients with occupational exposure limits to be monitored: Not applicable.

Respiratory protection

Breathing apparatus in the event of high concentrations.

Hand protection

Butyl rubber, >120 min (EN 374)

Eye protection Safety glasses.

Skin protection Light protective clothing.

General protective measures

Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols.

Hygiene measures At work do not eat, drink, smoke or take drugs. After worktime and before work breaks the affected skin areas must be thoroughly cleaned. Use barrier skin cream.

Delimitation and monitoring of the environmental exposition

Not determined.

9.

Physical and chemical properties

Form: Liquid.

Colour: Black.

Odour: Characteristic.

pH-value: Not applicable.

pH-value, 1% Not applicable.

Boiling point [°C]: Not determined.

Flash point [°C]: 160

Flammability:[°C] Not determined.

Lower explosion limit: Not applicable.

Upper explosion limit: Not applicable.

Combustible properties: No.

Vapour pressure [kPa]: Not determined.

Density [g/ml]: 1,1

Bulk density [kg/m³]: Not applicable.

Solubility in water: Miscible.

Partition coefficient: noctanol/ water:

Not determined.

Viscosity: Not determined.

Relative vapour density determined in air:

Not determined.

Evaporation speed: Not determined.

Melting point [°C]: Not determined.

Autoignition temperature

[°C]: Not determined.

Decomposition temperature

[°C]: Not applicable.

10.

Stability and reactivity
<p>Hazardous reactions Reactions with acids and strong oxidizing agents.</p> <p>Hazardous decomposition products No hazardous decomposition products known.</p>

11.

Toxicological information
<p>Acute oral toxicity OECD 401 Not determined.</p> <p>Acute dermal toxicity OECD 402 Not determined.</p> <p>Acute inhalational toxicity OECD 403 Not determined.</p> <p>Irritant effect on eye OECD 405 Not determined.</p> <p>Irritant effect on skin OECD 404 Not determined.</p> <p>Sensitization OECD 406 Not determined.</p> <p>Subacute toxicity Not determined.</p> <p>Chronic toxicity Not determined.</p> <p>Mutagenicity Not determined.</p> <p>Reproduction toxicity Not determined.</p> <p>Carcinogenicity Not determined.</p> <p>Experiences made in practice None</p> <p>General remarks No toxicological data are available. The product was classified on the basis of the calculation procedure of the preparation directive.</p>

12.

Ecological information
<p>Fish toxicity Not determined.</p> <p>Daphnia toxicity Not determined</p> <p>Biological degradability Not applicable.</p> <p>Behaviour in environment compartments Not determined</p> <p>Behaviour in sewage plant Not applicable.</p> <p>Bacteria toxicity Not determined</p> <p>COD Not determined</p> <p>BOD5 Not determined</p> <p>AOX-advice Not applicable.</p> <p>76/464/EC Not applicable.</p> <p>General information Ecological data are not available.</p>

13.

Disposal considerations
<p>Disposal / Product Dispose of as hazardous waste.</p> <p>Disposal / Contaminated packaging Uncontaminated packaging may be taken for recycling. Packaging that cannot be cleaned should be disposed of as for product.</p> <p>Waste no. (recommended) 080409*</p>

14.

Transport information												
<p>Classification according to ADR: Declaration: UN 3082, Environmentally hazardous substance, liquid, n.o.s. (4,6-Diethyl-2-methyl-1,3-benzenediamine), 9 , PG: III</p> <p>Labelling: UN 3082</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Factor, ADR 1.1.3.6: 1</td> <td style="width: 33%;">Hazard-no 90</td> <td style="width: 33%;">Label 9</td> </tr> <tr> <td>LQ, ADR 3.4.6: L Q7</td> <td>Vapour pressure [kPa]:</td> <td>Not determined</td> </tr> </table> <p>Classification according to IMDG: Declaration: UN 3082 Environmentally hazardous substance, liquid, n.o.s. (4,6-Diethyl-2-methyl-1,3-benzenediamine), 9, PG III</p> <p>Labelling: Environmentally hazardous substance, liquid, n.o.s. (4,6-Diethyl-2-methyl-1,3-benzenediamine), UN 3082, Class: 9</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">EmS:</td> <td style="width: 33%;">F-A, S-F</td> <td style="width: 33%;">Label: 9</td> </tr> <tr> <td></td> <td></td> <td>LQ (1/kg): 5</td> </tr> </table>	Factor, ADR 1.1.3.6: 1	Hazard-no 90	Label 9	LQ, ADR 3.4.6: L Q7	Vapour pressure [kPa]:	Not determined	EmS:	F-A, S-F	Label: 9			LQ (1/kg): 5
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Classification according to 9 111

IATA:

Declaration: Environmentally hazardous substance, liquid, n.o.s. (4,6-Diethyl-2-methyl-1,3-benzenediamine), Class: 9 UN 3082 III

Labelling: Environmentally hazardous substance, liquid, n.o.s. (4,6-Diethyl-2-methyl-1,3-benzenediamine) UN 3082

Label: Miscellaneous

15.

Regulatory information

Labelling: The product is classified and labelled in accordance with EC directives

Hazard symbols

Irritant, Dangerous for the environment.

R 36/38: Irritating to eyes and skin. R 51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S 24: Avoid contact with skin. S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S 60: This material and its container must be disposed of as hazardous waste.

R 21/22: Harmful in contact with skin and if swallowed.

R 22: Harmful if swallowed.

R 23/24: Toxic by inhalation and in contact with skin.

R 34: Causes burns.

R 35: Causes severe burns.

R 36: Irritating to eyes.

R 48/22: Harmful - danger of serious damage to health by prolonged exposure if swallowed.

R 50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

16.

Other information

Creation date	01.05.09	Production Management
Replace sheet of	01.05.09	Martyn Barnes

This leaflet is for general guidance only and may contain inappropriate information under particular conditions. Samples will be provided on request to enable customers to satisfy themselves as to the suitability of the product for any specific purpose and to assess the product under their own working conditions.