

MATERIAL SAFETY DATA SHEET

MSDS(PRELIMINARY)

Last changed: 13/09/2002

Internal num.:

Replaces date:12/12/1997

DURAMASTIC - COMP. B

1. PRODUCT AND COMPANY

TRADE NAME : DURAMASTIC - COMP. B
APPLICATION : Two pack modified epoxy primer/lastcoat
ART-No :

PRODUCER/IMPORTER :

Company : JOTUN(Malaysia) Sdn. Bhd.
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Zip & city : 40700, Shah Alam
Country : Malaysia
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Emergencyphones :
Contactperson : Laboratory / S.H.E. Dept., JOTUN (Mal) Sdn. Bhd., MALAYSIA
Responsible : Laboratory / S.H.E. Dept., JOTUN (Mal) Sdn. Bhd., MALAYSIA

2. COMPOSITION OF PRODUCT

No	Ingredients name	CAS-NO	Weight%		Dangerclas./Cmnt.
1	3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE	2855-13-2	2.5-10	N	C,21/22-34-43-52/53
2	BENZYLALCOHOL	100-51-6	25-50		Xn,20/22
3	2-METYL-1,5-PENTAMETYLENDIAMIN	-	25-50		C,20/22-34

Legend: T+=Very toxic, T=Toxic, C=Corrosive, Xn=Harmful, Xi=Irritant, IK=No classification required, E=Explosive, O=Oxidising, F+=Extremely flammable, F=Very flammable, Fo=Flammable, N=Dang. to the environment,

INGREDIENT COMMENTS

Substances presenting a health hazard within the meaning of the current issue of the CHIP Regulations or assigned occupational exposure limits.

3. HAZARD IDENTIFICATION



HARMFUL BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED. CAUSES BURNS. MAY CAUSE SENSITIZATION BY SKIN CONTACT.

For potential danger for the environment, see section 12.

4. FIRST AID

INHALATION

Keep the patient warm in a quiet place with fresh air. If breathing has stopped, administer artificial respiration. If unconscious place in the recovery position. Seek medical advice.

SKIN CONTACT

Remove contaminated clothing. Wash skin thoroughly with soap and water or use an appropriate skin cleaner. Do NOT use solvents or thinners. Flush the skin with plenty of water.

EYE CONTACT

Remove any contact lenses. Hold the eyelids apart. Rinse with lukewarm water for 1 hour. Seek medical advice.

INGESTION

DO NOT INDUCE VOMITING. Drink water or milk/cream immediately. If accidentally swallowed obtain immediate medical attention. Keep at rest. Seek medical advice.

MEDICAL INFORMATION

Regular medical control. Person developing a skin rash are to be directed to a dermatologist for examination. Obtain medical surveillance concerning burn injuries in mouth and throat. Aspiration hazard by vomiting. All poisoned persons should be transported in recovery position. An authorised person should accompany under the transport. Stomach-rinsing may be considered, for instance with an antioxydant. Eye injuries should be treated with chloramphenicol or antiseptic eye treatment. Local anaesthetics may be given to relieve pain. Eye specialist should be consulted as soon as possible.

5. FIRE FIGHTING MEASURES

PROPER FIREFIGHTING EQUIPMENT

Recommended: alcohol resistant foam, CO₂, powders, water spray. Not to be used: water jet.

FIRE AND EXPLOSION HAZARDS

Decomposition products may be a hazard to health. Fire will produce dense black smoke containing hazardous products of combustion (see Section 10).

PERSONAL PROTECTION WHEN FIREFIGHTING

The personal protective equipment required is provided in section 8. Professional fire-fighters are required to use an air-fed system when dealing with major fires.

6. ACCIDENTAL RELEASE MEASURES

OTHER INFORMATION

If the product enters drains or sewers, the local water company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the Environmental Agency. Clean preferably with a detergent; avoid use of solvents. Do not allow to enter drains or watercourses. Place in container for disposal according to local regulations (see section 13). Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite and diatomaceous earth. Refer to protective measures listed in sections 7 and 8. Avoid breathing vapours.

7. HANDLING AND STORAGE

HANDLING ADVICE

Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. For personal protective equipment see Section 8. Never use pressure to empty the container, it is not a pressure vessel. Always keep in containers made of the same material as the supply container. The Manual Handling Operations Regulations may apply to the handling of containers of this product.

STORAGE

Keep out of frost. Store in a dry, cold and well ventilated place away from sources of heat, ignition and direct sunlight. Observe the label precautions. Keep away from oxidizing materials, strongly alkaline materials and strong acids. No smoking. Containers which are opened should be properly resealed and kept upright to prevent leakage.

8. EXPOSURE CONTROL/PERSONAL PROTECTION
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OEL s

Ingredients name	CAS-no	OEL value	OEL

EXPOSURE CONTROL

Spray mist contains all substances of the product and must not be inhaled. OELs are taken from the current version of EH40 (by Health & Safety Executive, UK). Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. Provide adequate ventilation.

RESP. PROTECTION

Use respiratory protective mask with charcoal and dust filter (A2/P2) when spraying this product. When workers are facing concentrations above the occupational exposure limit they must use appropriate certified respirators.

EYE PROTECTION

Eye protection designed to protect against liquid splashes should be worn.

HAND PROTECTION

Never apply barrier cream to contaminated skin. Barrier creams may help to protect exposed areas of the skin but are not substitutes for full physical protection. Use butyl rubber/ viton gloves.

SKIN PROTECTION

When spraying use suit covering the whole body. Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid.		
Colour:	Yellowish.		
Odour:	Characteristic.		
Solubility:	Organic solvent.		
Melting point/range:	-	Density:	1.00
Expl. limit LEL-UEL%:	1,3-13,0 -	Boiling point/range:	205°C
Flash point:	>100°C	pH concentrate:	-
Ignition temp.:	435°C		

10. STABILITY AND REACTIVITY

STABILITY

Stable under recommended storage and handling conditions (see section 7).

MATERIALS TO AVOID

Keep away from oxidising agents, strongly alkaline and strongly acidic materials to prevent the exothermic reactions.

HAZARDOUS DECOMPOSITION PRODUCTS

In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide and oxides of nitrogen may be produced.

11. TOXICOLOGICAL INFORMATION

GENERAL

There are no toxicological data available on the product itself.

INHALATION

Exposure to vapours may result in adverse health effects such as irritation of the mucous membrane and the respiratory system.

SKIN CONTACT

The allergic response may occur after a short period of contact. Products containing amines irritate the skin and may lead to allergic eczema. Causes burns.

EYE CONTACT

May cause irreversible eye damage. Severe eye irritation Corrosive.

INGESTION

May cause burn damage to mucous membrane, esophagus and stomach. Accidental ingestion may cause vomiting and abdominal pains.

12. ECOLOGICAL INFORMATION

13. DISPOSAL

Do not allow into drains or water courses. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.

WASTEGROUP

08 01 02 Waste paints and varnish free of halogenated solvents. 08 00 00 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVE, SEALANTS AND PRINTING INKS.

14. TRANSPORT INFORMATION**PROPER SHIPPING NAME**

AMINES, LIQUID, CORROSIVE N.O.S.

		ADR (Road)	
UN No	2735	Class	8,53(c)
		IMDG (Sea)	
UN No	2735	Class	8
Label	8	Packaging Group	III
EmS	8 - 05	MFAG	320
Page	8109-2		

ADR for road, RID for rail, IMDG for sea transport and IATA for airtransport. Transport only in accordance with

15. REGULATORY INFORMATION

Classif.:

**COMPOSITION**

3-AMINOMETHYL-3,5,5-TRIMETHYLCYCLOHEXYLAMINE (2.5-10), 2-METYL-1,5-PENTAMETYLENDIAMIN (25-50)

R-PHRASES

R43 May cause sensitization by skin contact. R34 - Causes burns. R20/21/22 - Harmful by inhalation, in contact with skin and if swallowed.

S-PHRASES

S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S38 In case of insufficient ventilation, wear suitable respiratory equipment. S36/37/39 Wear suitable protection clothing, gloves and eyes/face protection. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S23 Do not breathe vapour/spray.

REFERENCES

The product is labelled for supply in accordance with the current issue of CHIP Regulations, and latest version of the approved supply list.

16. OTHER INFORMATION

ISSUED:03/02/2000

INFORMATION SOURCES:

VENDOR NOTES

The information contained in this MSDS is based on the present state of knowledge and current national legislation. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. The information in this MSDS provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. Further information and relevant advice can be found in: The Environmental Protection (Duty of Care) Regulations 1992 (SI 1992:2839). The Control of Substances Hazardous to Health Regulations 1988 (SI1988:1657). The Highly Flammable Liquids and liquefied Petroleum Gases Regulations 197 (SI 1972:917). The Manual Handling Operations Regulations 1992 (SI 1992:2793). Storage of Flammable Liquids in Containers, HS(G) 51. Storage of Packaged Dangerous Substances, HS(G)71. The selection, use and maintenance of respiratory protective equipment: A practical guide HS(G)53.

USER NOTES

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