

MATERIAL SAFETY DATA SHEET**ARALDITE RAPID HARDENER**

Revision Date: 00/09/2007

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY / UNDERTAKING**1.1. PRODUCTS IDENTIFICATION:** Araldite Rapid Hardener**1.2. USE OF SUBSTANCE:** Information not supplied.**1.3. COMPANY:** Bostik Ltd
Common Road
Stafford
Staffordshire
ST16 3EH
Telephone Number: 01785 272700
e-mail: sds.uk@bostik.com**1.4. EMERGENCY TELEPHONE:** 01785 272650 (24 hour)**2. HAZARDS IDENTIFICATION**

Irritating to eyes and skin. May cause sensitisation by skin contact.

CLASSIFICATION Xi;R36/38. R43. N;R51/53.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No	CAS No	Content	Classification
1-(DIMETHYLAMINOETHYL) -4-METHYLPIPERAZINE		104-19-8	1-9%	T;R24. Xn;R22. C;R34.
2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENO	200-031-9	90-72--2	1-5%	Xn;R22 Xi;R36/38
BUTYL ACETATE -norm	204-658-1	123-86-4	1-5%	R10 R66 R67
N(3-DIMETHYLAMINOPROPYL) -1,3-PROPYLENEDIAMINE		10563-29-8	2.9%	Xn;R21/22. C;R34. R43.
TRIETHYLENE GLYCOL DIMERCAPTAN		14970-87-7	2.9%	Xn;R20/22

The Full Text for all R-Phrases are Displayed in Section 16.

4. FIRST-AID MEASURES**Inhalation:**Remove victim immediately from source of exposure. Move the exposed person to fresh air at once.
Get medical attention if any discomfort continues.

MATERIAL SAFETY DATA SHEET

ARALDITE RAPID HARDENERRevision Date: 00/09/2007

Eye Contact:

Rinse the eye with water immediately. Continue to rinse for at least 15 minutes and get medical attention.

Skin Contact:

Promptly flush contaminated skin with water. Promptly remove clothing if soaked through and flush the skin with water. Get medical attention if irritation persists after washing.

Ingestion:

DO NOT induce vomiting. Get medical attention immediately.

5. FIRE-FIGHTING MEASURES**Extinguishing Media:**

Use fire-extinguishing media appropriate for surrounding materials.

Protective Measures in Fire:

Wear self contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES**Personal Precautions:**

Avoid skin and eye contact. Ensure adequate ventilation. Wear personal protective equipment. Avoid breathing vapour.

Environmental Precautions:

Prevent entry into drains and water courses.

Spill Clean Up Methods:

Absorb in vermiculite, dry sand or earth and place into containers.

7. HANDLING AND STORAGE**Usage Precautions:**

Avoid spilling, skin and eye contact. Persons susceptible for allergic reactions should not handle this product. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

Storage Class:

Chemical storage.

MATERIAL SAFETY DATA SHEET

ARALDITE RAPID HARDENER

Revision Date: 00/09/2007

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	LT - ppm	LT - mg/m ³	ST - ppm	ST - mg/m ³
BUTYL ACETATE -norm	WEL	150 ppm	724 - mg/m ³	200 ppm	966 - mg/m ³

INGREDIENT COMMENTS:

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT:



Engineering Measures:

Provide adequate general and local exhaust ventilation.

Respiratory Equipment:

No specific recommendation made, but respiratory protection must be used if the general level exceeds the Recommended Workplace Exposure Limit.

Hand Protection:

Protective gloves must be used if there is a risk of direct contact or splash. Use protective gloves made of: Rubber, neoprene or PVC.

Eye Protection:

Use approved safety goggles or face shield.

Other Protection:

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Provide eyewash station.

Hygiene Measures:

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid
Colour:	Colourless to Pale Yellow
Boiling Point (°C):	>200
Flash Point (°C):	>200
Vapour Pressure:	1.17 @ 25°C

MATERIAL SAFETY DATA SHEET

ARALDITE RAPID HARDENERRevision Date: 00/09/2007

10. STABILITY AND REACTIVITY**Stability:**

Stable under normal temperature conditions.

Conditions to Avoid:

Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidisers.

Hazardous Decomposition Products:Fire or high temperatures create: Carbon monoxide (CO). Carbon dioxide (CO₂).**11. TOXICOLOGICAL INFORMATION****Inhalation:**

Irritating to respiratory system.

Skin Contact:

Irritating to skin. May cause sensitisation by skin contact.

Eye Contact:

Irritating to eyes.

Ingestion:

May cause discomfort if swallowed.

Medical Considerations:

Skin disorders and allergies.

12. ECOLOGICAL INFORMATION**Ecotoxicity:**

Not regarded as dangerous for the environment: However contamination of the aquatic or terrestrial environments should be avoided.

13. DISPOSAL CONSIDERATIONS**Disposal Methods:**

Dispose of waste and residues in accordance with local authority requirements.

MATERIAL SAFETY DATA SHEET

ARALDITE RAPID HARDENERRevision Date: 00/09/2007

14. TRANSPORT INFORMATION**GENERAL:**

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

No transport warning sign required.

ADR LABEL NO: 0**MARINE POLLUTANT:** No.**15. REGULATORY INFORMATION****Labelling:**

Irritant

Contains:

N(3-DIMETHYLAMINOPROPYL)-1,3-PROPYLENEDIAMINE

Risk Phrases:**R36/38** Irritating to eyes, respiratory system and skin.
R43 May cause sensitisation by skin contact.**SAFETY PHRASES****S24/25** Avoid contact with skin and eyes.
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.
S46 If swallowed, seek medical advice immediately and show this container or label.
S56 Dispose of this material and its container to hazardous or special waste collection point.
S64 If swallowed, rinse mouth with water (only if the person is conscious).**Statutory Instruments:**

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

Approved Code of Practice:

Classification and Labelling of Substances and Preparations Dangerous for Supply

Guidance Notes:

CHIP for everyone HSG(108). Workplace Exposure Limits EH40.

MATERIAL SAFETY DATA SHEET

ARALDITE RAPID HARDENERRevision Date: 00/09/2007

16. OTHER INFORMATION**GENERAL INFORMATION:**

This product should be used as directed by Bostik Ltd. For further information consult the product data sheet or contact Technical Services.

INFORMATION SOURCES:

This safety data sheet was compiled using current safety information supplied by distributor of raw materials.

REVISION COMMENTS:

This safety data sheet supersedes all previous issues and users are cautioned to ensure that it is current. Destroy all previous data sheets and if in doubt contact Bostik Limited.

ISSUED BY:

Approved EC

REVISION DATE:

September 2007

REV. NO./REPL. SDS GENERATED:

5

DATE:

Dec 2002

RISK PHRASES IN FULL:

R10	Flammable.
R20/22	Harmful by inhalation and if swallowed.
R21/22	Harmful in contact with skin and if swallowed.
R22	Harmful if swallowed.
R24	Toxic in contact with skin.
R34	Causes burns.
R36/38	Irritating to eyes and skin.
R43	May cause sensitisation by skin contact.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapours may cause drowsiness and dizziness.

‘1. Technology Supplies Limited (Company registration number 2285483) Whose registered office is Phoenix House, Tern Hill, Market Drayton, Shropshire, TF9 3PX (‘Technology Supplies’) is providing this data sheet on an ‘as is’ basis and makes no representations or warranties of any kind with respect to this data sheet or its contents and disclaims all such representations and warranties. In addition, Technology Supplies makes no representations or warranties about the accuracy, completeness, or suitability for any purpose of the information published in this data sheet. The information contained within this data sheet may contain technical inaccuracies or typographic errors. All liability of Technology Supplies howsoever arising for any such inaccuracies or errors is expressly excluded to the fullest extent permitted by law.

2. Neither Technology Supplies nor any of its directors, employees or other representatives will be liable for loss or damage arising out of connection with reliance upon this data sheet. This is a comprehensive limitation of liability that applies to damages of any kind, including (without limitation) compensatory, direct, indirect or consequential damages, income or profit, loss of or damage to property and claims of third parties.

3. Notwithstanding the foregoing, none of the exclusions and limitations in clauses 1 and 2 are intended to limit any rights you may have as a consumer under local law or other statutory rights which may not be excluded in any way to exclude or limit Technology Supplies for any liability for death or personal injury resulting in our negligence.’