



SAFETY DATA SHEET

ARALDITE RAPID HARDENER

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME ARALDITE RAPID HARDENER

PRODUCT NO. 80806, 80808, 808003

SUPPLIER BOSTIK LIMITED
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2 HAZARDS IDENTIFICATION

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

CLASSIFICATION Xi;R36/38. R43.

3 COMPOSITION/INFORMATION ON INGREDIENTS

| Name | EC No. | CAS-No. | Content | Classification |
|---|-----------|------------|---------|------------------------|
| 1-(DIMETHYLAMINOETHYL) -4-METHYLPYPERAZINE | | 104-19-8 | 1.9% | T;R24. Xn;R22. C;R34. |
| 2,4,6-TRIS(DIMETHYLAMINOMETHYL)PHENOL | 202-013-9 | 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.

INGESTION

DO NOT induce vomiting. Get medical attention immediately.

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.

EYE CONTACT

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

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

ARALDITE RAPID HARDENER

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.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

| Name | Std | TWA - 8 hrs | | STEL - 15 min | | Notes |
|---------------------|-----|-------------|-----------------------|---------------|-----------------------|-------|
| | | | | | | |
| BUTYL ACETATE -norm | WEL | 150 ppm | 724 mg/m ³ | 200 ppm | 966 mg/m ³ | |

WEL = Workplace Exposure Limit.

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 | Viscous Liquid | | |
| COLOUR | Yellow | | |
| BOILING POINT (°C) | >200 | VAPOUR PRESSURE | <1 Pa 20 |
| FLASH POINT (°C) | > 100 | | |

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.

ARALDITE RAPID HARDENER

HAZARDOUS DECOMPOSITION PRODUCTS

Fire or high temperatures create: Carbon monoxide (CO). Carbon dioxide (CO₂).

11 TOXICOLOGICAL INFORMATION

INHALATION

Irritating to respiratory system.

INGESTION

May cause discomfort if swallowed.

SKIN CONTACT

Irritating to skin. May cause sensitisation by skin contact.

EYE CONTACT

Irritating to eyes.

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.

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.

15 REGULATORY INFORMATION

LABELLING



Irritant

CONTAINS

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

RISK PHRASES

| | |
|--------|--|
| R36/38 | Irritating to eyes 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. |

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.

ARALDITE RAPID HARDENER

GUIDANCE NOTES

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

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 LJ

REVISION DATE November 2009

REV. NO./REPL. SDS GENERATED 6

DATE December 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. |