

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product (material) Name: BDMA. Catalogue # C054.
Other Names: Benzyldimethylamine.
Recommended Use: Epoxy resin accelerator.

Supplier Name: ProSciTech
Postal Address: PO Box 111, Thuringowa Central Qld. 4817 Australia
Street Address: 1/11 Carlton Street, Kirwan, Qld. 4817 Australia
Telephone Number: (07) 4773 9444
Fax Number: (07) 4773 2244
Emergency Contact: (07) 4773 9444 8:30am – 5:00pm, Monday to Friday

SECTION 2 - HAZARDS IDENTIFICATION

Hazard Classification: Hazardous according to criteria of NOHSC.
Risk Phrases:
Safety Phrases:

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE:
Chemical Identity: BDMA
Common Name(s): Benzyldimethylamine
CAS Number(s): 103-83-3

MIXTURE:

Ingredients	Cas Number(s)	Proportion (%)
BDMA	103-83-3	100

SECTION 4 - FIRST AID MEASURES

Swallowed: Dilute with milk or water. Get medical attention. Never give anything by mouth to an unconscious person.

Eye: Flush eyes with plenty of water for at least 15 minutes, holding eyelids apart. Get medical attention if irritation or other symptoms occur.

Skin: Wash with plenty of water and soap for at least 15 minutes. Remove contaminated clothing, including shoes after flushing has begun. Get medical attention. Thoroughly wash contaminated clothes before reuse or discard in a manner which limits further exposures.

Inhaled: Remove person to fresh air. If not breathing give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

First Aid Facilities: Safety shower, eyebath.

Medical Attention & Special Treatment:

ADDITIONAL INFORMATION:

SECTION 5 - FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Co2, dry chemical, alcohol foam, water spray.
Hazards from Combustion Products: Carbon monoxide, nitrogen oxides.

Precautions for Fire Fighters: Evacuate area and fight fire from a safe distance. Wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

Hazchem Code: 3W

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Emergency Procedures:

Containment and clean up:

This material should be prevented from contaminating soil or entering sewage and drainage systems and bodies of water. Isolate the hazard area. Keep unnecessary and unprotected personnel from entering. Prevent skin and eye contact by wearing appropriate protective equipment. Refer to Section 8.

SMALL SPILL: Absorb the spill with an inert material (e.g., dry sand, earth), then place in a chemical waste container for disposal.

LARGE SPILL: Shut off leak, if safe to do so. Clean up spills immediately. Contain spilled liquid with sand or earth. Store in chemical waste container for disposal. Retain all contaminated water for removal and treatment.

SECTION 7 - HANDLING & STORAGE

Precautions for Safe Handling:

Use with adequate ventilation. Wash thoroughly after handling. Avoid contact with eyes and skin.

Conditions for Safe Storage:

Keep away from ignition sources. Store in a well-ventilated area. Keep container closed when not in use.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards:

No exposure standard allocated.

Biological Limit Values:

No biological limit allocated.

Engineering Controls:

Use only in a well-ventilated area. Local exhaust ventilation preferred or other engineering controls to control sources of dust, mist or vapours.

Personal Protective Equipment:

Use a NIOSH/MSHA approved respirator as needed. Wear splash-proof chemical goggles or a face shield, impervious gloves and chemical protective clothing, including impervious sleevelets, overalls, aprons or boots as needed to prevent contact with skin.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance:

Clear - light yellow liquid.

Odour:

Amine-like.

pH:

Not available.

Vapour pressure:

Not available.

Vapour density:

Not available.

Boiling point/range:

176.1°C.

Freezing/melting point:

Not available.

Solubility:

Slightly soluble in water.

Specific gravity or density:

0.89 at 25°C.

Flash Point:

54.44°C.

Flammable (explosive) limits:

Not available.

Ignition temperature:

Not available.

Additional Information:

SECTION 10 - STABILITY AND REACTIVITY

Chemical stability:

Stable under normal conditions of use.

Conditions to avoid:

Exposure to incompatible materials and prolonged exposure to heat.

Incompatible Materials:

Strong oxidising agents, acids, acid anhydrides and acid chlorides.

Hazardous Decomposition

Carbon monoxide, nitrogen oxides.

Products:

Hazardous Reactions:

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute and chronic health effects:	Oral LD50 rat:650mg/kg. Dermal LD50 rabbit:1660mg/kg. Inhalation LC50 rat:373ppm/4hrs. Skin irritant rabbit:500mg/4hrs-severe with local necrosis. Eye irritant rabbit:5mg - severe.
Possible routes of exposure:	Inhalation, ingestion, skin/eye contact.
Range of effects following exposure:	Breathing vapours or mist may cause irritation to nose, throat and lungs. Skin contact: corrosive, contact may result in strong irritation and burns. Eye contact: Severely irritating to eyes. Swallowing: May be harmful.
Dose likely to cause injury:	
Delayed effects:	
Relevant negative data:	

SECTION 12 – ECOLOGICAL INFORMATION

Ecotoxicity:	
Persistence and degradability:	
Mobility:	
Additional Information:	

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Methods:	Dispose in accordance to all Federal, State and Local Regulations.
Special Precautions:	

SECTION 14 - TRANSPORT INFORMATION

UN Number:	UN2619
UN Proper Shipping Name:	Benzyl dimethylamine.
Class and Subsidiary risk:	Class: 8. Subsidiary Risk: 3.
Packing Group:	II
Special Precautions for User:	
Hazchem Code:	3W

SECTION 15 - REGULATORY INFORMATION

Poison Schedule Number:	None allocated
--------------------------------	----------------

SECTION 16 - OTHER INFORMATION

Date of preparation of MSDS:	07 March 2008
-------------------------------------	---------------
