

This safety data sheet has been prepared in accordance with the requirements of EC Directives 1999/45/EC and 2001/58/EC and provides information relating to the safe handling and use of the product.

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code	210262
Trade Name	3479B
Manufacturer/Supplier	Henkel Loctite Ireland
Address	Tallaght Business Park, Whitestown, Dublin 24.
Phone Number	353-1-4046444
Fax Number	353-1-4510806
Emergency Phone Number	+353-1-4599301/+353-87-2629625/+353-1-4046444

2. COMPOSITION/INFORMATION ON INGREDIENTS

Nature Hardener for epoxy resin.

Hazardous Components in Product for EC

Component Name	CAS / EINECS	Concentration	R Phrases	Classification
Isophorone Diamine	2855-13-2 220- 666-8	10.00 - 25.00	R21/22, R34, R43, C R52/53	
Aminopolyamide	68082-29-1	1.00 - 5.00	R36/38, R43	Xi
Silica, Microcrystalline	14808-60-7	1.00 - 5.00		

3. HAZARD IDENTIFICATION

Causes burns. May cause sensitisation by skin contact.

4. FIRST AID MEASURES

First Aid - Inhalation

Should not be a problem as product is of low volatility. However, if feeling unwell remove patient to fresh air.

First Aid - Skin

Remove contaminated clothing and wash skin with plenty of soap and water. Obtain medical attention.

First Aid - Eyes

Flush eyes immediately with plenty of water for at least 15 minutes. Seek medical attention immediately.

First Aid - Ingestion

Rinse mouth with water then give plenty of water to drink. Do not induce vomiting. Seek medical advice.

5. FIRE FIGHTING MEASURES

Non flammable product (flash point is greater than 100 °C (CC)). Thermal decomposition would produce a complex variety of chemical species, some of which could be irritating and/or harmful if inhaled in significant volumes. Self contained breathing apparatus should be worn when dealing with fire. If product is involved in fire extinguish with dry powder, foam or carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

For small spills wipe up with paper towel and place in container for disposal. For large spillages wear gloves and eye protection. Absorb spillage into inert absorbent material and place into sealed container for disposal.

7. HANDLING AND STORAGE

Handling

Avoid contact with skin and eyes. Adequate ventilation is recommended to remove traces of odour.

Storage

Keep container well sealed and protect from humidity at temperatures between 15 - 25°C in a well-ventilated area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits**Silica, Microcrystalline**

2003 ACGIH: TLV 0.05mg/m³ TWA - Respirable fraction.

HSA (2003) C.O.P.: Dust Total respirable 0.4 mg/m³. 8 hr.

Powders bound in liquid formulations do not present an inhalation risk.

Rubber gloves and chemical goggles should be worn. Good industrial hygiene practices should be observed.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Paste.
Colour	Grey.
Odour	Mild. Ammoniacal.
pH	Not determined.
Boiling Range/Point (°C)	Not determined.
Flash Point (CC) (°C)	> 110
Specific Gravity	2100kg/m ³ .
Solubility in Water (kg/m³)	Immiscible.
Solubility in Acetone	Miscible
Vapour Pressure(mmHg @ 25°C)	Not determined.
Explosion Limits (%)	Not determined.

10. STABILITY AND REACTIVITY

The product is relatively stable under normal conditions of use.

11. TOXICOLOGICAL INFORMATION

Inhalation

May cause irritation to respiratory system and mucous membranes if used in confined spaces.

Skin

Causes burns to skin.

Eyes

May cause severe damage to eyes.

Ingestion

May irritate the digestive tract. Ingestion of large quantities may cause damage to liver or kidneys.

12. ECOLOGICAL INFORMATION

The product should not go into drains or surface water.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local and national regulations.

14. TRANSPORT INFORMATION

UN Number	2735
AIR (IATA)	Amines, Liquid, Corrosive, n.o.s. (Isophorone Diamine), Class 8, Packaging Group III
Sea (IMO)	Amines, Liquid, Corrosive, n.o.s. (Isophorone Diamine), Class 8, Packaging Group III EmS F-A S-B .
Road (ADR)/Rail(RID)	Amines, Liquid, Corrosive, n.o.s. (Isophorone Diamine), Class 8, Packaging Group III Classification code: C7

15. REGULATORY INFORMATION

Contains Isophorone diamine
Aminopolyamide

**Labelling
Information**



Corrosive

R phrases

R34 Causes burns.
R43 May cause sensitisation by skin contact.

S 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.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Additional Labelling

N/A

16. OTHER INFORMATION

MSDS data revised 6 January 2005

Hazardous Components in Product for EC**Component Name**

Isophorone Diamine

Aminopolyamide

Silica, Microcrystalline

R21/22

R34

R36/38

R43

R52/53

R Phrases

R21/22, R34, R43,

R52/53

R36/38, R43

R21/22 Harmful in contact with skin and if swallowed.

R34 Causes burns.

R36/38 Irritating to eyes and skin.

R43 May cause sensitisation by skin contact.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Further Information may be obtained from:-

Loctite Corporation,

Component Name

Health and Regulatory Affairs - Europe,
Tallaght Business Park,
Whitestown,
Dublin 24,
Ireland.

Tel: +353-1-4046444.

Fax: +353-1-4510806.

R Phrases

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Supersedes Safety Data Sheet No: 6 dated 12/8/03.

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