

This safety data sheet has been prepared in accordance with the requirements of EC Directive 88/379/EEC and 91/155/EEC (and other related directives) and provides information relating to the safe handling and use of the product.

1. PRODUCT AND COMPANY INFORMATION

Product Code	0120638
Trade Name	638
Manufacturer/Supplier	Loctite UK
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Nature Dimethacrylate urethane diol based sealant.

Hazardous Components in Product for EC

Component Name	Concentration	R Phrases	Classification
1-Acetyl-2-phenylhydrazine	0.10 - 1.00	R20/21/22, R40, R38, R43	Xn
Hydroxypropyl Methacrylate	15.00 - 30.00	R36, R43	Xi
Acrylic acid	5.00 - 10.00	R10, R21/22, R35, R50	C, N
Cumene Hydroperoxide 80%	1.00 - 3.00	R7, R21/22, R23, R34, R48/20/22, R51/53	O, T, N

3. HAZARD IDENTIFICATION

Irritating to eyes, respiratory system and skin. 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

Immediately wash skin thoroughly with 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)). Trace amounts of toxic fumes may be released on incineration and the use of breathing apparatus is recommended. If product is involved in fire extinguish with dry powder, foam or carbon dioxide.

6. ACCIDENTAL RELEASE MEASURES

Avoid contact with skin and eyes and avoid inhalation of vapours. Wear protective clothing and suitable respiratory protection. Absorb spillage onto inert absorbent material and place in a

6. ACCIDENTAL RELEASE MEASURES

closed container, which should be partially filled (air space), for disposal.

7. HANDLING AND STORAGE

Handling

Wear suitable protective clothing, gloves and safety glasses. Loctite applicators are recommended to minimise skin contact, particularly where workers are handling sharp or threaded parts which might result in microlaceration of sensitive areas of the skin. Avoid contact with skin and eyes. Adequate ventilation is recommended to remove traces of odour.

Storage

Store in original containers at 8°C-21°C and do not return residual materials to containers as contamination may reduce the shelf life of the bulk product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits**Acrylic acid**

HSA (1999) C.O.P : OEL 10ppm (30mg/m³) 8h TWA.
HSA (1999) C.O.P : OEL 20ppm (60mg/m³) 15 min
exposure limit.

Use of Loctite applicator equipment is recommended. Avoid contact with skin and eyes. Wear suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid.
Colour	Green.
Odour	Sharp.
pH	Not applicable.
Boiling Range/Point (°C)	Not applicable.
Flash Point (CC) (°C)	>100
Specific Gravity	1.05.
Solubility in Water (kg/m³)	Immiscible.
Solubility in Acetone	Miscible
Vapour Pressure (mmHg @25°C)	Less than 3 at 20 °C.
Explosion Limits (%)	Not applicable.

10. STABILITY AND REACTIVITY

Non reactive to water. Non reactive to oxidising agents except for peroxides. Destabilised by reducing agents.

11. TOXICOLOGICAL INFORMATION

Inhalation

Avoid inhalation of vapours. May cause irritation to respiratory system.

Skin

This material is both irritating and sensitising to skin.

In accordance with the 25th ATP to Directive 67/548/EEC this product should be classified as Corrosive to skin. However, it is currently undergoing 'a reconstituted human skin test', so until results are available the labelling is in accordance with Section 15 of this SDS.

11. TOXICOLOGICAL INFORMATION

Eyes

May cause irritation to the eyes.

Ingestion

This product is considered to be of low toxicity having an acute oral LD50 (rat) >5000mg/kg by analogy to other similar products.

12. ECOLOGICAL INFORMATION

Precautions required with respect to Environmental Hazards of articles in which this product is used should be considered.

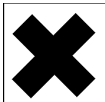
13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local and national regulations. Standard procedures for 'water insoluble' non-toxic chemicals recommended.

14. TRANSPORT INFORMATION

UN Number	None
Air (IATA)	Not classified.
Sea (IMO)	Not classified.
Road (ADR)/Rail (RID)	Not classified.

15. REGULATORY INFORMATION

Contains	Acrylic acid. Hydroxypropyl Methacrylate and Cumene Hydroperoxide
Labelling Information	 Irritant
R phrases	R36/37/38 Irritating to eyes, respiratory system and skin. R43 May cause sensitisation by skin contact.
S phrases	S24 Avoid contact with skin. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 After contact with skin, wash immediately with plenty of soap and water. S37 Wear suitable gloves.
Voluntary Labelling	N/A

16. OTHER INFORMATION

MSDS first issued	26 July 1995
MSDS data revised	23 February 2001

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Further Information may be obtained from:-

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16. OTHER INFORMATION

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