

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 INFORMATION

Product Code	0158358
Trade Name	358
Manufacturer/Supplier	Henkel Loctite Adhesives Ltd.
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Nature U.V. curing adhesive.

Hazardous Components in Product for EC

Component Name	CAS / EINEC	Concentration	R Phrases	Classification
Acrylic acid	79-10-7	201-177- 1.00 - 5.00	R10, R21/22, R35, C, N	
	9		R50	
Hydroxypropyl Methacrylate	27813-02-1	248- 15.00 - 30.00	R36, R43	Xi
	666-3			
2,2-Dimethoxy-2-diphenylethan-1-one	24650-42-8	1.00 - 5.00	R50/53	N
Cumene Hydroperoxide 80%	80-15-9	201- 0.10 - 2.00	R7, R21/22, R23, R34, R48/20/22, R51/53	O, T, N
	254-7			

3. HAZARD IDENTIFICATION

Irritating to respiratory system and skin. Risk of serious damage to eyes. May cause sensitisation by skin contact. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Care should be taken during the cure of these products by UV radiation to avoid exposure of the skin and especially of the eyes to direct or reflected UV radiation as longterm effects could be harmful.

Non corrosive to skin in accordance with the in vitro test method, B40 Skin Corrosion - Human skin model assay, specified in Part B of Annex V to Directive 67/548/EEC.

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. Consideration should be given to the possible effects of a faulty UV source (Stray radiation, ozone).

First Aid - Skin

Wash with plenty of soap and water. If irritation persists, seek medical advice.

First Aid - Eyes

Flush eyes with plenty of water for at least 15 minutes. If irritation persists seek medical attention.

First Aid - Ingestion

Rinse mouth with water, then give plenty of water to drink. Do not induce vomiting.

5. FIRE FIGHTING MEASURES

Non flammable product (flash point is greater than 100°C (CC)). Trace amounts of toxic fumes

5. FIRE FIGHTING MEASURES

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

Absorb spillage onto inert absorbent material and place in a closed container, which should be partially filled (air space), for disposal.

7. HANDLING AND STORAGE

Handling

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. Ventilation will remove any ozone that may be produced by the ultra violet lamp.

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.

ACGIH: TLV 2ppm 8h TWA.

In circumstances where there is a potential for prolonged or repeated skin contact, the use of polyvinyl chloride or nitrile rubber gauntlets or equivalent solvent resistant gloves is recommended. UV lamp should be designed, installed and operated in such a way as to eliminate exposure of the skin and eyes to stray radiation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid.
Colour	Clear
Odour	Characteristic.
pH	Not determined.
Boiling Range/Point (°C)	Not determined.
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 determined.

10. STABILITY AND REACTIVITY

Non reactive to water. Non reactive to oxidising agents except for peroxides. Destabilised by reducing agents. Polymerises in the presence of sunlight.

11. TOXICOLOGICAL INFORMATION

Inhalation

Irritating to respiratory system.

Skin

It is irritating and sensitising to the skin.

Eyes

This product may cause severe damage to the eyes.

Ingestion

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

12. ECOLOGICAL INFORMATION

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

13. DISPOSAL CONSIDERATIONS

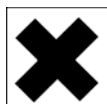
Dispose of in accordance with local and national regulations.

14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

Contains	Hydroxypropyl Methacrylate Acrylic acid.
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**Labelling
Information**

Irritant

R phrases

R37/38 Irritating to respiratory system and skin.
R41 Risk of serious damage to eyes.
R43 May cause sensitisation by skin contact.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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.
S28 After contact with skin, wash immediately with plenty of soap and water.
S37/39 Wear suitable gloves and eye/face protection.
S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.

S phrases**Voluntary Labelling**

N/A

16. OTHER INFORMATION

MSDS data revised	25 February 2003
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Hazardous Components in Product for EC

Component Name	R Phrases
Acrylic acid	R10, R21/22, R35, R50

Component NameHydroxypropyl Methacrylate
2,2-Dimethoxy-2-diphenylethan-1-one
Cumene Hydroperoxide 80%**R Phrases**R36, R43
R50/53
R7, R21/22, R23,
R34, R48/20/22,
R51/53

R10	R10 Flammable.
R21/22	R21/22 Harmful in contact with skin and if swallowed.
R23	R23 Toxic by inhalation.
R34	R34 Causes burns.
R35	R35 Causes severe burns.
R36	R36 Irritating to eyes.
R43	R43 May cause sensitisation by skin contact.
R48/20/22	R48/20/22 Harmful: danger of serious damage to health by prolonged exposure through inhalation and if swallowed.
R50	R50 Very toxic to aquatic organisms.
R50/53	R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R51/53	R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R7	R7 May cause fire.

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This safety data sheet was prepared in accordance with Commission Directive 2001/59/EC adapting to technical progress for the 28th time Council Directive 67/548/EEC and Commission Directive 1999/45/EC.

Supersedes Safety Data Sheet No: 5 dated 3/7/00.