

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	0128601
Trade Name	Retainer 601
Manufacturer/Supplier	Loctite UK
Address	Watchmead, Welwyn Garden City, Herts., AL71JB.
Phone Number	01 707 358800
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Nature Product based on polyethyleneglycol dimethacrylate.

Hazardous Components in Product for EC

Component Name	Concentration	R Phrases	Classification
Hydroxyethylmethacrylate	15.00 - 30.00	R36/38, R43	Xi
N,N-Diethyl-p-Toluidine	0.10 - 1.00	R23/24/25, R33	T
N,N-Dimethyl-o-Toluidine	0.00 - 0.30	R23/24/25, R33	T
Cumene Hydroperoxide	1.00 - 2.00	R7, R21/22, R23, R34, R48/20/22, R51/53	O, T, N

3. HAZARD IDENTIFICATION

Irritating to eyes and respiratory system. 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

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. Seek medical advice.

5. FIRE FIGHTING MEASURES

Non flammable product (flash point is greater than 100°C (CC)).

If product is involved in fire extinguish with dry powder, foam or carbon dioxide.

Trace amounts of toxic fumes may be released on incineration and the use of breathing apparatus is recommended.

6. ACCIDENTAL RELEASE MEASURES

For small spills wipe up with paper towel and place in container for disposal.

6. ACCIDENTAL RELEASE MEASURES

For large spills absorb onto inert absorbent material and place in sealed container for disposal.

7. HANDLING AND STORAGE

Handling

Use in a well ventilated area. Avoid contact with eyes, skin and clothing. Loctite applicators are recommended to minimise skin contact, Wear suitable protective clothing, safety glasses and gloves.

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

In circumstances where there is a potential for prolonged or repeated skin contact, the use of disposable gloves (polyethylene, natural rubber or equivalent ester-resistant material) is recommended. Use of Loctite applicator equipment is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid.
Colour	Green.
Odour	Characteristic.
pH	Range between 3 to 6.
Boiling Range/Point (°C)	Data not available.
Flash Point (CC) (°C)	>100
Specific Gravity	1.098.
Solubility in Water (kg/m³)	Immiscible.
Solubility in Acetone	Miscible
Vapour Pressure (mmHg @25°C)	<0.1
Explosion Limits (%)	Data not available.

10. STABILITY AND REACTIVITY

Polymerisation may occur after some time in the absence of air and/or the presence of a metal; However, the product is adequately stabilised to ensure that premature polymerisation does not occur under normal conditions of use.

Non reactive to water.

Non reactive to oxidising agents except for peroxides.

11. TOXICOLOGICAL INFORMATION

Inhalation

May cause irritation to respiratory system.

Skin

This product is a skin sensitizer

Eyes

Irritating to the eyes.

11. TOXICOLOGICAL INFORMATION

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

Keep away from drains and open waters. Cured Loctite products are typical polymers and do not pose any immediate environmental hazards.

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

13. DISPOSAL CONSIDERATIONS

After use, tubes, cartons and bottles containing residual product should be disposed of as "chemically contaminated waste" in an authorised legal land fill site or incinerated. Large quantities of unused products may be disposed as chemical waste after polymerizing by adding Loctite Activator 7638 or 7641. Incinerate or bury in legal landfill. Contribution of this product to waste is very insignificant in comparison to article in which it is used. Regulations governing disposal of individual articles apply.

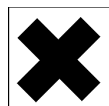
14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

Contains Cumene Hydroperoxide
Hydroxyethyl methacrylate.

Labelling Information



Irritant

R phrases

R36/37 Irritating to eyes and respiratory system.
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.
S28 After contact with skin, wash immediately with plenty of soap and water. S37 Wear suitable gloves.
S51 Use only in well ventilated areas.

Voluntary Labelling

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16. OTHER INFORMATION

MSDS first issued 13 June 1995
MSDS data revised 6 September 2000

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Further Information may be obtained from:-

16. OTHER INFORMATION

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This safety data sheet was prepared in accordance with Commission Directive 98/98/EC adapting to technical progress for the 25th time Council Directive 67/548/EEC.

Supersedes Safety Data Sheet No: 9 dated 04/02/99.
