

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	0128574
Trade Name	574
Manufacturer/Supplier	Loctite UK
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Nature Anaerobic Flange sealant. Product based on polyethyleneglycol dimethacrylate.

Hazardous Components in Product for EC

Component Name	Concentration	R Phrases	Classification
1-Acetyl-2-phenylhydrazine	0.20 - 0.90	R20/21/22, R40, R38, R43	Xn
N-Decanol	5.00 - 10.00	R38, R36/38	Xi
Maleic Acid	0.20 - 0.90	R22, R36/37/38	Xn
Cumene Hydroperoxide	0.00 - 0.90	R7, R21/22, R23, R34, R48/20/22, R51/53	O, T, N

3. HAZARD IDENTIFICATION

This product is not classified as hazardous.

Prolonged contact with skin, particularly damaged skin, may cause sensitization or dermatitis in sensitive individuals.

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.

5. FIRE FIGHTING MEASURES

6. ACCIDENTAL RELEASE MEASURES

Ventilate area. Contain spillage, and absorb onto an inert absorbent such as sand or multisorb and place in a sealed container for supervised disposal. Wash spillage site thoroughly with soap and water or detergent solution.

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. Prolonged or repeated skin contact should be avoided to minimise any risk of sensitisation. 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

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	Paste.
Colour	Bright. Orange.
Odour	Alcoholic.
pH	Range between 3 to 6.
Boiling Range/Point (°C)	-
Flash Point (CC) (°C)	>100
Specific Gravity	1.08.
Solubility in Water (kg/m³)	Immiscible.
Solubility in Acetone	Miscible
Vapour Pressure (mmHg @25°C)	<0.5
Explosion Limits (%)	-

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

The presence of the aliphatic alcohol requires the provision of some ventilation where large surface areas are exposed to the breathing atmosphere. While the odour is readily apparent (OTV 6ppb), the vapours are not harmful unless inhaled in excess.

Skin

Acute dermal LD50 (rabbit) is estimated to be greater than 2000mg/kg. Although it is not a common sensitizer there may be a risk of sensitization on prolonged or repeated contact with damaged skin.

Eyes

Not considered to be an eye irritant.

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.

Biodegradable product of low ecotoxicity.

Does not contain substances listed on the Montreal protocol.

Cured Loctite products are typical polymers and do not pose any immediate environmental hazards.

Biological and Chemical Oxygen Demands (BOD and COD) of cured Loctite products are insignificant.

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.

Dispose of in accordance with local and national regulations.

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	-
Labelling Information	
R phrases	None.
S phrases	None.
Voluntary Labelling	-

16. OTHER INFORMATION

MSDS first issued	27 September 1995
MSDS data revised	2 May 2000

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Further Information may be obtained from:-

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Attention of users is drawn to the possible hazards from improper use of the product(s).

The information in this safety data sheet was obtained from reputable sources and to the best of our knowledge is accurate and current at the mentioned date. Neither Loctite nor its subsidiary companies accept any liability arising out of the use of the information provided here or the use, application or processing of the product(s) described herein.

Supersedes Chemical Hazard Data Sheet No: 4 dated 24/9/98