

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 | 0125290 |
| Trade Name | 290 |
| Manufacturer/Supplier | Loctite UK |
| Address | Watchmead, Welwyn Garden City, Herts., AL71JB. |
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Nature Anaerobic thread sealant. Product based on polyethyleneglycol dimethacrylate.

Hazardous Components in Product for EC

| Component Name | Concentration | R Phrases | Classification |
|--------------------------|---------------|-----------------------------------------------|----------------|
| N,N-Diethyl-p-Toluidine | 0.10 - 0.60 | R23/24/25, R33 | T |
| N,N-Dimethyl-o-Toluidine | 0.10 - 0.30 | R23/24/25, R33 | T |
| Cumene Hydroperoxide | 2.00 - 4.00 | R7, R21/22, R23, R34, R48/20/22, R51/53 | O, T, N |

3. HAZARD IDENTIFICATION

Irritating to eyes and respiratory system. 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 skin with plenty of soap and water.

First Aid - Eyes

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

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)).

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

Ventilate area.

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

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

Wash spillage site thoroughly with soap and water or detergent solution.

7. HANDLING AND STORAGE

Handling

No special handling requirements.

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

Storage

Store in original containers at 8°C-28°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.

9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|------------------------------------------|-----------------|
| Physical State | Liquid. |
| Colour | Green. |
| Odour | Characteristic. |
| pH | N/A |
| Boiling Range/Point (°C) | N/A |
| Flash Point (CC) (°C) | >100 |
| Specific Gravity | 1.08. |
| Solubility in Water (kg/m ³) | Immiscible. |
| Solubility in Acetone | Miscible |
| Vapour Pressure (mmHg @25°C) | <0.1 |
| Explosion Limits (%) | N/A |

10. STABILITY AND REACTIVITY

Non reactive to water.

Non reactive to oxidising agents except for peroxides.

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.

11. TOXICOLOGICAL INFORMATION

Inhalation

Irritating to respiratory system.

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

11. TOXICOLOGICAL INFORMATION

damaged skin.

Eyes

Irritating 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

The product should not go into drains or surface water.

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. Dispose of in accordance with local and national regulations.

Large quantities of unused products may be disposed as chemical waste after polymerizing by adding Loctite Activator 7638 or 7641. 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.

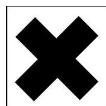
14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

Contains Cumene Hydroperoxide

Labelling Information



Irritant

R phrases

R36/37 Irritating to eyes and respiratory system.

S phrases

S25 Avoid contact with eyes. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S51 Use only in well ventilated areas.

Voluntary Labelling

N/A

16. OTHER INFORMATION

MSDS first issued 3 September 1997

MSDS data revised 31 May 2000

16. OTHER INFORMATION

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Supersedes Safety Data Sheet No: 0125290 dated 16/1/99

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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.
