

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 0158399A
Trade Name 3951
Manufacturer/Supplier Loctite UK
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Herts., AL71JB.
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Nature Polyurethane sealant.

Hazardous Components in Product for EC

Component Name	Concentration	R Phrases	Classification
Ethylbenzene	1.00 - 5.00	R11, R20	F, Xn
Diphenylmethane Diisocyanate	1.00 - 5.00	R20, R36/37/38, R42Xn	
2,2-Dimorpholinodiethylether	0.10 - 0.50	R36/38	

3. HAZARD IDENTIFICATION

Irritating to eyes, respiratory system and skin. May cause sensitisation by inhalation. Solvent will have a defatting action on the skin making it more susceptible to dermatitis and sensitisation. Inhalation of vapours may cause headaches or dizziness. Small quantities of isocyanate are produced when polyurethanes are heated above 150°C or when they are involved in fire. TLV for isocyanate is .005ppm. Inhalation of such vapour could provide an allergic reaction in sensitive individuals.

4. FIRST AID MEASURES

First Aid - Inhalation

Remove affected person to fresh air, and if still feeling unwell seek medical attention.

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.

Volatile by-product released during polymerisation may cause irritation to eyes.

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 60°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.
Self contained breathing apparatus should be worn when dealing with fire.

6. ACCIDENTAL RELEASE MEASURES

Ventilate area.
For small spills wipe up with paper towel and place in container for disposal.
Absorb spillage onto inert absorbent material such as sand or vermiculite and place in container for disposal.
Wash spillage site thoroughly with soap and water or detergent solution.

7. HANDLING AND STORAGE

Handling

Use in a well ventilated area. Vapours should be extracted to avoid inhalation.

Storage

Keep in a cool, well-ventilated area. Storage temperature range 1°C to 25°C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Good industrial hygiene practices should be observed.
Wear suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Paste.
Colour	Black.
Odour	Mild. Characteristic.
pH	-
Boiling Range/Point (°C)	-
Flash Point (CC) (°C)	>60
Specific Gravity	1.12.
Solubility in Water (kg/m³)	Insoluble.
Solubility in Acetone	Partially soluble
Vapour Pressure (mmHg @25°C)	Less than 1 at 25 °C.
Explosion Limits (%)	-

10. STABILITY AND REACTIVITY

The product is relatively stable under normal conditions of use.
Polymerisation will occur in the presence of moisture.

11. TOXICOLOGICAL INFORMATION

Inhalation

This product may cause sensitisation by inhalation. Prolonged exposure to high concentrations of vapours may lead to chronic effects in sensitive individuals.

Skin

This product is classified as a skin irritant.

Eyes

This product is an irritant to the eyes.

Ingestion

This product is considered to be of low toxicity having an acute oral LD50 (rat) >2000mg/kg by analogy to other similar products.

12. ECOLOGICAL INFORMATION

Keep away from drains and open waters.

Biological and Chemical Oxygen Demands (BOD and COD) of cured Loctite products are insignificant. Does not contain substances listed on the Montreal protocol.

In the cured state contribution of this product to Environmental Hazards is insignificant in comparison to articles in which it is used.

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.

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.

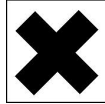
14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

Contains

Contains isocyanates. See information supplied by the manufacturer.

Labelling Information

Harmful

None

R phrasesR36/37/38 Irritating to eyes, respiratory system and skin.
R42 May cause sensitisation by inhalation.**S phrases**S23 Do not breathe vapour.
S25 Avoid contact with 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.**Voluntary Labelling**

N/A

16. OTHER INFORMATION

MSDS first issued

14 November 1995

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