



Research, Development & Engineering Group
Health & Regulatory Affairs

SAFETY DATA SHEET

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.

Date: 14.12.94 (Revised)

Issue 2

1. PRODUCT IDENTIFICATION

1.1. Product Name : 3608

1.2. Company Name :

Manufacturer : LOCTITE (Ireland) Limited

Local Distributor: LOCTITE UK

1.3. Emergency Contact (24 Hour Service):

First Call Local Distributor : Tel:- 01707 821000

Contact Name : HEALTH & SAFETY OFFICER

Manufacturer: Tel: +353-1-4510433 or +353-1-4519466, Fax: +353-1-4519073

2. COMPOSITIONAL INFORMATION

Nature : Urethane dimethacrylate based heat + UV curing adhesive.

<u>Component</u>	<u>% by Wt*</u>	<u>Hazard Class</u>
Polyester urethane dimethacrylate resin	45	—
Acrylic acid	1	C, R10, 34, 43
2-Hydroxyethylmethacrylate	40	Xi, R36/38, 43
Organic perester	4	O, Xi, R7, 36, 44
Ketonic photoinitiator	3	—
β-carboxyethylacrylate	5	Xi, R36/38, 43
Other constituents	5	—
Fumed silica	20	—

*(percentages are less than those given.)

3. HAZARDS IDENTIFICATION

Contains 2-Hydroxyethylmethacrylate which is a skin and eye irritant and a skin sensitizer.

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.

4. FIRST AID MEASURES

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)

Skin Contact:

Remove contaminated clothing and wash skin with plenty of soap and water.

Eye Contact:

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

Ingestion:

Rinse mouth with water, then give plenty of water or milk 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 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.

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

7. HANDLING & STORAGE

7.1. 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.

Adequate ventilation is recommended to remove traces of odour.

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

7.2. Storage:

Store in original containers at 5°C-28°C and do not return residual materials to containers as contamination may reduce the shelf life of the bulk product.

Store away from direct sunlight.

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 & CHEMICAL PROPERTIES

Appearance: Red thixotropic liquid
Odour: Mild unpleasant
pH: ---

(The following properties are to be interpreted within the meaning of Directive 67/548/EEC)

Boiling point: ---°C
Flash Point (Closed cup) : >100°C
Specific Gravity : approx. 1.2ml @ 20°C
Solubility in Water : Immiscible
Solubility in Acetone : Miscible
Vapour Pressure : < 3mmHg @ 20°C
Other Properties :---

10. STABILITY & REACTIVITY

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

11. TOXICOLOGICAL INFORMATION

Inhalation:

Due to the low volatility of the product there are no hazards associated with inhalation under normal conditions of use.

Skin:

Acute dermal LD50 is estimated to be greater than 2000mg/kg.
It is irritating and sensitising to the skin.

Eye:

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

Does not contain substances listed on the Montreal protocol.

13. DISPOSAL

Standard procedures for 'water insoluble' non-toxic chemicals recommended.
Dispose of in accordance with local and national regulations.

14. TRANSPORT INFORMATION

UN No.: None
Air(IATA): Not classified
Sea(IMO): Not classified.
Road/Rail (ADR/RID): Not classified.

15. REGULATORY INFORMATION

Hazard Label:



Irritant

Contains: 2-Hydroxyethyl methacrylate & β -carboxyethylacrylate

Risk Phrases:

R36/38 Irritating to eyes and skin.
R43 May cause sensitization by skin contact.

Safety Phrases:

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.

16. OTHER INFORMATION

Further Information may be obtained from the Health & Regulatory Affairs Department at the following address :-

Loctite (International) NBD
Tallaght Business Park,
Whitestown,
Dublin 24, Ireland.
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