

This safety data sheet has been prepared in accordance with the requirements of EC Directives 1999/45/EC and 2001/58/EC and provides information relating to the safe handling and use of the product.

1. PRODUCT AND COMPANY INFORMATION

Product Code	0314111
Trade Name	3463 (Fixmaster Metal Magic Steel Stick)
Manufacturer/Supplier	Henkel Loctite Adhesives Ltd.
Address	Watchmead, Welwyn Garden City, Herts., AL71JB. UK
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Nature Epoxy resin.

Hazardous Components in Product for EC

Component Name	CAS / EINEC	Concentration	R Phrases	Classification
Bisphenol A -epichlorhydrin	25068-38-6	500- 10.00 - 15.00	R36/38, R43, R51/53	Xi, N
Microcrystalline silica	14808-60-7	1.00 - 5.00		
2,4,6-tri(Dimethylaminomethyl)phenol	90-72-2	202-013- 1.00 - 3.00	R22, R36/38	Xn
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3. HAZARD IDENTIFICATION

Irritating to eyes and skin.
May cause sensitisation by skin contact.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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. Seek medical advice if irritation develops.

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. Obtain medical attention.

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

6. ACCIDENTAL RELEASE MEASURES

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

6. ACCIDENTAL RELEASE MEASURES

For small spills wipe up with paper towel and place in container for disposal. Wash spillage site thoroughly with soap and water or detergent solution. Try to prevent the material from entering drains or water courses.

7. HANDLING AND STORAGE

Handling

Good industrial hygiene practices should be observed.

Use in a well ventilated area. Prolonged or repeated skin contact should be avoided to minimise any risk of sensitisation. Avoid contact with eyes.

Storage

Store away from heat in a cool, well-ventilated area. For optimum shelf life store in original containers under refrigerated conditions at 2°C to 8°C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits**Microcrystalline silica**

UK EH40: OES 0.3mg/m³ 8h TWA.

Good industrial hygiene practices should be observed.

Use in well ventilated area. Avoid contact with skin and eyes. In circumstances where there is a potential for prolonged or repeated skin contact, the use of polyvinyl chloride or nitrile rubber gauntlets or equivalent solvent resistant gloves is recommended. Safety glasses should be worn.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Paste.
Colour	Grey.
Odour	Mild.
pH	Not applicable.
Boiling Range/Point (°C)	390 °C.
Flash Point (CC) (°C)	284 °C.
Specific Gravity	2.1038 g/cm ³ .
Solubility in Water (kg/m³)	Negligible
Solubility in Acetone	Not determined.
Vapour Pressure (mmHg @25°C)	Not determined.
Explosion Limits (%)	Not applicable.

10. STABILITY AND REACTIVITY

The product is relatively stable under normal conditions of use.

Exothermic polymerisation at room temperature may occur with amines, mercaptanes and Lewis acids.

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

It is irritating and sensitising to the skin.

11. TOXICOLOGICAL INFORMATION

Eyes

This product is an irritant to the eyes.

Ingestion

Ingestion of large quantities may cause liver or kidney damage.

12. ECOLOGICAL INFORMATION

Keep away from drains and open waters.

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local and national regulations.

When cured, the product is non-hazardous, and may be placed in industrial or municipal landfill.

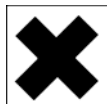
14. TRANSPORT INFORMATION

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

15. REGULATORY INFORMATION

Contains

Contains epoxy constituents. See information supplied by the manufacturer.

Labelling Information

Irritant

R phrasesR36/38 Irritating to eyes and skin.
R43 May cause sensitisation by skin contact.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.**S phrases**S24 Avoid contact with skin.
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.
S61 Avoid release to the environment. Refer to special instructions/Safety data sheets.**Voluntary Labelling**

16. OTHER INFORMATION

MSDS data revised

11 March 2003

Hazardous Components in Product for EC**Component Name**

Bisphenol A -epichlorhydrin

R PhrasesR36/38, R43,
R51/53

Microcrystalline silica

2,4,6-tri(Dimethylaminomethyl)phenol

R22

R22 Harmful if swallowed.

R36/38

R36/38 Irritating to eyes and skin.

R43

R43 May cause sensitisation by skin contact.

R51/53

R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Component Name**R Phrases**

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