

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	0391599
Trade Name	5699
Manufacturer/Supplier	Henkel Loctite Adhesives Ltd.
Address	Watchmead, Welwyn Garden City, Herts., AL71JB. UK
Phone Number	01 707 358800
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2. COMPOSITION / INFORMATION ON INGREDIENTS

Nature Silicone sealant.
Mixtures of polydimethylsiloxanes, organic fillers and crosslinkers.

Hazardous Components in Product for EC

Component Name	CAS / EINEC	Concentration	R Phrases	Classification
Vinyl Tris (Methyl ethyl ketoximino) Silane	2224-33-1 218-747-8	3.00 - 7.00	R36	Xi
Tetra (MEK Oximo) Silane/Vinyl Tris (MEK Oximo) Silane, Methylene Ketoxime	2224-33-1, 96-29-7 202-496-6	0.10 - 1.00 1.00 - 5.00	R11, R36/37/38 R21, R40, R41, R43	Xn

3. HAZARD IDENTIFICATION

Oxime curing silicones release Methyleneketoxime (MEKO) in contact with moisture. MEKO is classified as Harmful with Risk phrases R-21, 40, 41 and 43. Harmful in contact with skin. Limited evidence of a carcinogenic effect. Risk of serious damage to eyes. May cause sensitisation by skin contact.

4. FIRST AID MEASURES

First Aid - Inhalation

Remove affected person to fresh air.
Volatile by-product released during polymerisation may cause irritation to respiratory system.

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

Wash out mouth with water.
Give plenty of water to drink. Do not induce vomiting. Obtain medical attention.

5. FIRE FIGHTING MEASURES

No unusual fire hazards.
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.

5. FIRE FIGHTING MEASURES

6. ACCIDENTAL RELEASE MEASURES

Ventilate area.

Silicones release by products in contact with moisture which are irritating to eyes and respiratory system.

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

No special storage conditions required. Keep in a cool, well-ventilated area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Good industrial hygiene practices should be observed.

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	Paste.
Colour	Grey.
Odour	Mild. Characteristic.
pH	Not determined.
Boiling Range/Point (°C)	> 200°C
Flash Point (CC) (°C)	Not applicable.
Specific Gravity	1.4 g/cm ³ .
Solubility in Water (kg/m³)	Insoluble.
Solubility in Acetone	Partially soluble
Vapour Pressure (mmHg @25°C)	Less than 0.1 at 20 °C. Less than 0.1 at 20 °C.
Explosion Limits (%)	Not determined.

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

Methylethyl ketoxime released during polymerisation of oxime curing RTV silicones is irritating to the respiratory system.

Skin

Methylethyl ketoxime released during polymerisation of oxime curing silicones.

11. TOXICOLOGICAL INFORMATION

It is harmful in contact with skin and is a skin sensitizer.

Eyes

Methylethyl Ketoxime is released during polymerisation of oxime curing silicone.
Risk of serious damage to 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

Biodegradable product of low ecotoxicity. Keep away from drains and open waters. Biological and Chemical Oxygen Demands (BOD and COD) of cured Loctite products are insignificant. 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. Incinerate or bury in legal landfill. 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	Methylethylketoxime
Labelling Information	 Harmful
R phrases	R40 Limited evidence of a carcinogenic effect. R43 May cause sensitisation by skin contact.
S phrases	S23 Do not breathe vapour. 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. S36/37 Wear suitable protective clothing and gloves.
Voluntary Labelling	Volatile by-products are released during polymerisation. See safety data sheet for further information.

16. OTHER INFORMATION

MSDS data revised	5 June 2002
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Hazardous Components in Product for EC**Component Name**Vinyl Tris (Methyl ethyl ketoximino) Silane
Tetra (MEK Oximo) Silane/Vinyl Tris
(MEK Oximo) Silane,
Methylethyl KetoximeR11
R21
R36
R36/37/38
R40
R41
R43R11 Highly flammable.
R21 Harmful in contact with skin.
R36 Irritating to eyes.
R36/37/38 Irritating to eyes, respiratory system and skin.
R40 Limited evidence of a carcinogenic effect.
R41 Risk of serious damage to eyes.
R43 May cause sensitisation by skin contact.**R Phrases**R36
R11, R36/37/38

R21, R40, R41,
R43

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This safety data sheet was prepared in accordance with Commission Directive 1999/45/EC. This safety data sheet was prepared in accordance with Commission Directive 2001/59/EC adapting to technical progress for the 28th time Council Directive 67/548/EEC and Commission Directive 1999/45/EC.

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