



# Material Safety Data Sheet

## LOCTITE ULTRA COPPER SILICONE

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### 1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

**PRODUCT NAME:** LOCTITE ULTRA COPPER SILICONE  
**PART No :** G60660  
**SUPPLIER** Force Products, Seymour Road, Nuneaton, CV11 4LB  
**TELEPHONE** 08448 33 22 22  
**FAX** 0800 980 87 87  
**E-MAIL** sales@forceproducts.co.uk

### 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
Methylethyl Ketoxime	96-29-7 202-496-6	1.00 - 5.00	R21, R40, R41, R43	Xn
Vinyl Tris (Methyl ethyl ketoximino) Silane	2224-33-1 218-747-8	5.00 - 10.00	R36	Xi

### 3. HAZARDS IDENTIFICATION

Irritating to eyes. Limited evidence of a carcinogenic effect. May cause sensitisation by skin contact.

Oxime curing silicones release Methylethylketoxime (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 (SYMPTOMS / ACTION)

#### 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

Rinse mouth with water then give plenty of water to drink. Do not induce vomiting. Seek medical advice.



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### 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.

### 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. Use in well ventilated area. Safety glasses should be worn.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>PHYSICAL STATE</b>	Paste.
<b>COLOUR</b>	Brown.
<b>ODOUR</b>	Mild. Characteristic.
<b>pH</b>	N/A
<b>BOILING RANGE/POINT (°C)</b>	>200
<b>FLASH POINT (CC) (°C)</b>	Not applicable.
<b>SPECIFIC GRAVITY</b>	1.31
<b>SOLUBILITY IN WATER (KG/M<sup>3</sup>)</b>	Insoluble.
<b>SOLUBILITY IN ACETONE</b>	Partially soluble
<b>VAPOUR PRESSURE (MMHG @25°C)</b>	Less than 0.1 at 20 °C.
<b>EXPLOSION LIMITS (%)</b>	N/A



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### 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

May cause sensitisation by skin contact. Methylethyl ketoxime released during polymerisation of oxime curing silicones. It is harmful in contact with skin and is a skin sensitizer.

#### EYES

This product is an irritant to the 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

Keep away from drains and open waters. 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.

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

Dispose of in accordance with local and national regulations. 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. Contribution of this product to waste is very insignificant in comparison to article in which it is used.

**14. TRANSPORT INFORMATION**

<b>UN NUMBER</b>	None
<b>AIR (IATA)</b>	Not classified.
<b>SEA (IMO)</b>	Not classified.
<b>ROAD (ADR)/RAIL (RID)</b>	Not classified.

**15. REGULATORY INFORMATION**

**CONTAINS**

Methylethylketoxime

**LABELLING INFORMATION**



Harmful

**R PHRASES**

R36 Irritating to eyes.  
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.



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### 16. OTHER INFORMATION

MSDS data revised 1 July 2003

#### Hazardous Components in Product for EC

##### COMPONENT NAME

Methylethyl Ketoxime

Vinyl Tris (Methyl ethyl ketoximino) Silane

##### R PHRASES

R21, R40, R41, R43

R36

R21  
R36  
R40  
R41  
R43

R21 Harmful in contact with skin.  
R36 Irritating to eyes.  
R40 Limited evidence of a carcinogenic effect.  
R41 Risk of serious damage to eyes.  
R43 May cause sensitisation by skin contact.

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