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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Product name:</b>	Loctite(R) RTV 5920 Copper Gasket Maker High Performance Silicone	<b>Item No. :</b>	37466 / IDH No. 491984
<b>Product type:</b>	Silicone	<b>Region:</b>	United States
<b>Company address:</b>	Henkel Corporation 1001 Trout Brook Crossing Rocky Hill, Connecticut 06067	<b>Contact Information:</b>	Telephone: (860) 571-5100 Emergency telephone: (860) 571-5100 Internet: www.loctite.com

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Silicone Resin Proprietary	30-60	None	None	None
Silicone Resin Proprietary	10-30	None	None	None
Filler Proprietary	5-10	None	None	None
Oximino silaneProprietary	5-10	None	None	None
Iron oxide 1309-37-1	1-5	1 mg/m <sup>3</sup> TWA 5 mg/m <sup>3</sup> TWA	10 mg/m <sup>3</sup> TWA	None
Silica,mica 12001-26-2	1-5	3 mg/m <sup>3</sup> TWA	= 20 mppcf TWA	None
Methyl ethyl ketoxime 96-29-7	1-5	None	None	10 ppm, dermal sensitizer TWA, (WEEL)

Methyl ethyl ketoxime(MEKO) is formed during cure. This product will release up to 5% MEKO. Exposure to moisture during cure will release 1-2% methyl alcohol.

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**Physical state:** Paste  
**Color:** Copper  
**Odor:** Mild

#### HMIS:

**HEALTH:** 2\*  
**FLAMMABILITY:** 1  
**PHYSICAL HAZARD:** 0  
**Personal Protection:** See Section 8

**WARNING:** PROLONGED OR REPEATED CONTACT WITH UNCURED SEALANT MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.  
MAY CAUSE ALLERGIC SKIN REACTION.  
PROLONGED OR REPEATED CONTACT WITH UNCURED SEALANT MAY CAUSE BURNS TO SKIN AND EYES

**Relevant routes of exposure:** Skin, Inhalation, Eyes

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**Product name:** Loctite(R) RTV 5920 Copper Gasket Maker High Performance Silicone

## Potential Health Effects

<b>Inhalation:</b>	Vapors and mists will irritate the respiratory tract and nasal passages. When heated to temperatures exceeding 300° F (150° C) in the presence of air, silicones may form formaldehyde vapors. Formaldehyde is a potential cancer hazard and a known skin and respiratory sensitizer. Vapors irritate the eyes, nose and throat. Safe handling conditions may be maintained by keeping formaldehyde vapor concentrations below the OSHA permissible limit. The silane is a skin and eye irritant and prolonged contact may cause eye and skin burns. The low concentration makes such overexposure unlikely and minimizes its affect on health and safety.
<b>Skin contact:</b>	Brief contact with the uncured adhesive may irritate the skin or cause a rash. Repeated or prolonged contact may cause burns.
<b>Eye contact:</b>	Vapors may irritate eyes. Contact with eyes will cause irritation. Repeated or prolonged contact may cause burns.
<b>Ingestion:</b>	Not expected under normal conditions of use. May be harmful if swallowed.

**Existing conditions aggravated by exposure:**

Skin disorders.

**See Section 11 for additional toxicological information.**

## 4. FIRST AID MEASURES

<b>Inhalation:</b>	Remove to fresh air. If discomfort persists seek medical attention.
<b>Skin contact:</b>	Wipe off paste with paper towel or cloth. Wash with soap and water.
<b>Eye contact:</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.
<b>Ingestion:</b>	Do not induce vomiting. Keep individual calm. Obtain medical attention.

## 5. FIRE-FIGHTING MEASURES

<b>Flash point:</b>	Greater than 93°C (200°F) Tagliabue closed cup
<b>Autoignition temperature:</b>	Not available
<b>Flammable/Explosive limits-lower %:</b>	Not applicable
<b>Flammable/Explosive limits-upper %:</b>	Not applicable
<b>Extinguishing media:</b>	Carbon dioxide (CO2). Foam. Dry chemical.
<b>Special fire fighting procedures:</b>	Wear self contained breathing apparatus
<b>Unusual fire or explosion hazards:</b>	None
<b>Hazardous combustion products:</b>	Oxides of carbon. Oxides of silicon. Formaldehyde.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Environmental precautions:</b>	Do not flush into surface water or sanitary sewer system.
<b>Clean-up methods:</b>	Scrape up as much material as possible. Maintain good ventilation for large spills. Store in a partly filled, closed container until disposal.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. Do not handle contact lenses until all sealant has been removed from hands. Residual sealant may transfer to lenses and cause eye irritation.
<b>Storage:</b>	Store in a dry area below 90° F Keep container closed.
<b>Incompatible products:</b>	Avoid contact with water.

For information on product shelf life contact Henkel Customer Service at (800) 243-4874.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering controls:</b>	Use local exhaust ventilation to maintain airborne concentrations below established exposure limits.
<b>Respiratory protection:</b>	Use a NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists.
<b>Skin protection:</b>	Chemical resistant, impermeable gloves. Impervious clothing
<b>Eye/face protection:</b>	Safety goggles or safety glasses with side shields.

**See Section 2 for exposure limits.**

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Paste
<b>Color:</b>	Copper
<b>Odor:</b>	Mild
<b>Vapor pressure:</b>	<5 mmHg @20°C (68° F)
<b>pH:</b>	Not applicable
<b>Boiling point/range:</b>	Not applicable
<b>Melting point/range:</b>	Not available
<b>Specific gravity:</b>	1.31 at 20 deg. C
<b>Vapor density:</b>	Heavier than air
<b>Evaporation rate:</b>	Not available
<b>Solubility in water:</b>	Polymerizes in presence of water
<b>Partition coefficient (n-octanol/water):</b>	Not available
<b>VOC content:</b>	3.5%; 45.85 grams/liter

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable.
<b>Hazardous polymerization:</b>	Will not occur.
<b>Hazardous decomposition products:</b>	Methyl ethyl ketoxime formed during cure. Oxides of carbon. Oxides of silicon. Formaldehyde.
<b>Incompatibility:</b>	Polymerizes on contact with water. Oxidizing agents. Acids and bases.
<b>Conditions to avoid:</b>	Moisture.

## 11. TOXICOLOGICAL INFORMATION

### Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Silicone Resin Proprietary	No	No	No
Silicone Resin Proprietary	No	No	No
Filler Proprietary	No	No	No
Oximino silaneProprietary	No	No	No
Iron oxide 1309-37-1	No	No	No
Silica,mica 12001-26-2	No	No	No
Methyl ethyl ketoxime 96-29-7	No	No	No

#### Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Silicone Resin Proprietary	No Target Organs
Silicone Resin Proprietary	Irritant
Filler Proprietary	No Target Organs
Oximino silaneProprietary	Allergen, Irritant
Iron oxide 1309-37-1	Lung, Liver, Kidney, Irritant, Central nervous system, Cardiac, Allergen
Silica,mica 12001-26-2	Lung
Methyl ethyl ketoxime 96-29-7	Allergen, Blood, Central nervous system, Eyes, Irritant, Some evidence of carcinogenicity

## 12. ECOLOGICAL INFORMATION

### Ecological information:

No specific studies have been conducted by Henkel on the ecotoxicity or environmental fate of this material; however, commonly available data on the material indicate that uncontrolled releases to soil, groundwater, or surface waters could entail acute and/or chronic ecological effects, depending on the quantity and concentration of such releases. Releases of volatile components to the atmosphere are not believed to entail significant ecological consequences provided such releases are within the exposure levels set forth in this document. Accordingly, all appropriate measures should be taken to avoid uncontrolled releases to the environment, and any spills or other uncontrolled releases which may occur should be contained and cleaned up immediately in accordance with Section 6.

## 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

**Recommended method of disposal:** Cured rubber can be incinerated or landfilled following EPA and local regulations.

**EPA hazardous waste number:** Not a RCRA hazardous waste.

## 14. TRANSPORT INFORMATION

### U.S. Department of Transportation Ground (49 CFR):

Proper shipping name: Unrestricted  
Hazard class or division: None  
Identification number: None  
Packing group: None

### International Air Transportation (ICAO/IATA):

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Product name: Loctite(R) RTV 5920 Copper Gasket Maker High Performance  
Silicone

Proper shipping name:	Unrestricted
Hazard class or division:	None
Identification number:	None
Packing group:	None

**WaterTransportation (IMO/IMDG):**

Proper shipping name:	Unrestricted
Hazard class or division:	None
Identification number:	None
Packing group:	None
Exceptions:	None
Marine pollutant:	None

**15. REGULATORY INFORMATION****United States Regulatory Information**

TSCA 8 (b) Inventory Status:	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
TSCA 12 (b) Export Notification:	None.

CERCLA/SARA Section 302 EHS:	None above reporting de minimus.
CERCLA/SARA Section 311/312:	Immediate Health Hazard, Delayed Health Hazard
CERCLA/SARA 313:	None above reporting de minimus.

California Proposition 65:	This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.
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**Canada Regulatory Information**

CEPA DSL/NDSL Status:	One or more components are not listed on, and are not exempt from listing on either the Domestic Substances List or the Non-Domestic Substances List.
WHMIS hazard class:	D.2.B

**16. OTHER INFORMATION**

This material safety data sheet contains changes from the previous version in sections: 15

Prepared by:	Regulatory Affairs
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