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## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>Product name:</b> 587(TM) Blue High Performance RTV Silicone Gasket Maker	<b>Item No. :</b> 30567
<b>Product type:</b> Silicone Sealant	<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>
Filler Proprietary	30-60	None	15 mg/m <sup>3</sup> TWA total dust 5 mg/m <sup>3</sup> TWA respirable fraction	None
Filler Proprietary	1-5	None	None	None
Oximino silane Proprietary	1-5	None	None	None
Propane 74-98-6	1-5	1000 ppm TWA listed under aliphatic hydrocarbon gases alkane C1-C4	1000 ppm TWA 1800 mg/m <sup>3</sup> TWA	None
Isobutane 75-28-5	1-5	1000 ppm TWA listed under aliphatic hydrocarbon gases alkane C1-C4	None	None
Methyl ethyl ketoxime 96-29-7	0.1-1	None	None	None
Methanol 67-56-1	0-0.1	200 ppm TWA 250 ppm STEL (skin)	200 ppm TWA 260 mg/m <sup>3</sup> TWA	None

### Non hazardous components

Silicone Resins 30-50%

Exposure to moisture during cure will release 0.1 - 0.9% methyl alcohol. Methyl ethyl ketoxime(MEKO) is formed during cure. This product will release up to 5% MEKO.

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

#### HMIS:

**Physical state:** Physical state: Paste  
**Color:** Blue  
**Odor:** Mild petroleum

**HEALTH:** 2  
**FLAMMABILITY:** 4  
**PHYSICAL HAZARD:** 0  
**Personal Protection:** See Section 8

**DANGER:**

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**EXTREMELY FLAMMABLE.**  
**CONTENTS UNDER PRESSURE.**  
**CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION**

**Relevant routes of exposure:** Skin, inhalation, eyes, Ingestion

**Potential Health Effects**

**Inhalation:** Vapors and mist 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 may cause skin burns. Overexposure may cause coma and respiratory failure. The low concentration makes such overexposure unlikely and minimizes its affect on health and safety.

**Skin contact:** May cause skin irritation with discomfort or rash.

**Eye contact:** Vapors may irritate eyes. Contact with eyes will cause irritation.

**Ingestion:** Moderately toxic by ingestion. Not expected under normal conditions of use.

**Existing conditions aggravated by exposure:** Skin disorders.

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

**4. FIRST AID MEASURES**

**Inhalation:** Remove to fresh air. If discomfort persists seek medical attention.

**Skin contact:** Wipe off paste with paper towel or cloth. Wash with soap and water.

**Eye contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

**Ingestion:** Do not induce vomiting. Keep individual calm. Obtain medical attention.

**5. FIRE-FIGHTING MEASURES**

**Flash point:** (Base only) Greater than 93°C (200°F) Tagliabue closed cup

**Flashback:** This product exhibits flashback when tested for flame extension.

**Flame Projection:** Greater than 46 cms (18 inches)

**Autoignition temperature:** Not available

**Flammable/Explosive limits-lower %:** 0.9 (value for propellant).

**Flammable/Explosive limits-upper %:** 10 (value for propellant).

**Extinguishing media:** Carbon dioxide (CO2). Dry chemical. Foam. Water spray.

**Special fire fighting procedures:** Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. Water spray may be ineffective. Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

**Unusual fire or explosion hazards:** Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat.

**Hazardous combustion products:** Acrid smoke and fumes. Formaldehyde. Irritating organic vapors.

**6. ACCIDENTAL RELEASE MEASURES**

**Environmental precautions:** Do not flush into surface water or sanitary sewer system.

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**Clean-up methods:** Scrape up as much material as possible. Maintain good ventilation for large spills. Place scrap material in a well ventilated area and allow to cure to rubber.

## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. Do not wear contact lenses.

**Storage:** Keep container closed. Store at or below 32°C (90°F).

**Incompatible products:** Never allow product to get in contact with water during storage.

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

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering controls:** Use local exhaust ventilation to maintain airborne concentrations below established exposure limits.

**Respiratory protection:** Use a NIOSH approved air-purifying respirator if the potential to exceed established exposure limits exists.

**Skin protection:** Chemical resistant, impermeable gloves. Impervious clothing

**Eye/face protection:** Safety goggles or safety glasses with side shields.

See Section 2 for exposure limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Physical state: Paste
<b>Color:</b>	Blue
<b>Odor:</b>	Mild petroleum
<b>Vapor pressure:</b>	<5 mmHg @20°C (68° F)
<b>pH:</b>	Not applicable
<b>Boiling point/range:</b>	Not available
<b>Melting point/range:</b>	Not available
<b>Specific gravity:</b>	1.31 at 20 deg. C
<b>Vapor density:</b>	Not available
<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>	3.9%; 50.7 grams/liter

## 10. STABILITY AND REACTIVITY

**Stability:** Stable.

**Hazardous polymerization:** Will not occur.

**Hazardous decomposition products:** Methyl ethyl ketoxime formed during cure.

**Incompatibility:** Polymerizes on contact with water.

**Conditions to avoid:** Moisture.

## 11. TOXICOLOGICAL INFORMATION

### Carcinogen Status

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Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Filler Proprietary	No	No	No
Filler Proprietary	No	No	No
Oximino silane Proprietary	No	No	No
Propane 74-98-6	No	No	No
Isobutane 75-28-5	No	No	No
Methyl ethyl ketoxime 96-29-7	No	No	No
Methanol 67-56-1	No	No	No

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

Hazardous components	Health Effects/Target Organs
Filler Proprietary	Nuisance dust
Filler Proprietary	No Target Organs
Oximino silane Proprietary	Allergen, Irritant
Propane 74-98-6	Cardiac, Central nervous system, Irritant
Isobutane 75-28-5	Cardiac, Central nervous system, Lung
Methyl ethyl ketoxime 96-29-7	Allergen, Blood, Central nervous system, Eyes, Irritant, Some evidence of carcinogenicity
Methanol 67-56-1	Eyes, Heart, Irritant, Kidney, Liver, Metabolic, Nervous System, Reproductive

**12. ECOLOGICAL INFORMATION**

**Ecological information:** Not available

**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**

The shipping classifications in this section are for non-bulk packaging only (unless otherwise specified). Shipping classification may be different for bulk packaging.

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

**Proper shipping name:** Aerosols, flammable  
**Hazard class or division:** 2.1  
**Identification number:** UN 1950  
**Packing group:** None  
**Marine pollutant:** None

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

**Proper shipping name:** Aerosols, flammable  
**Hazard class or division:** 2.1  
**Identification number:** UN1950

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**Packing group:** None  
**Exceptions:** May Qualify as Consumer Commodity ID8000

**WaterTransportation (IMO/IMDG):**

**Proper shipping name:** Aerosols, flammable  
**Hazard class or division:** 2.1  
**Identification number:** UN1950  
**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:** Methyl ethyl ketoxime (CAS# 96-29-7).

**CERCLA/SARA Section 302 EHS:** None.  
**CERCLA/SARA Section 311/312:** None.  
**CERCLA/SARA 313:** None.

**California Proposition 65:** This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. Toluene (CAS# 108-88-3). <1 ppm.

### Canada Regulatory Information

**CEPA DSL/NDSL Status:** All components are listed on or are exempt from listing on the Domestic Substances List.  
**WHMIS hazard class:** D.2.A, D.2.B

## 16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: New Material Safety Data Sheet format.

**Prepared by:** Lou Fabrizio, Senior Health & Regulatory Affairs Specialist

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