

Permatex, Inc.
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Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: 599 ULTRA GREY SENSOR SAFE RTV GASKET MAKER
Item No: 58599
Product Type: Silicone

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Percent	ACGIH 8 Hr. TWA:	OSHA 8 Hr. TWA:
POLY (DIMETHYLSILOXANE), HYDROXY TERMINATED 70131-67-8	40-50	Not Listed	Not Listed
CALCIUM CARBONATE 471-34-1	20-30	10 mg/m ³ total dust	15 mg/m ³ dust; 5 mg/m ³ respir
GARNET MINERAL 1302-62-1	20-30	Not Listed	Not Listed
VINYL OXIMINOSILANE 2224-33-1	1-10	Not Listed	Not Listed
SILICA, AMORPHOUS TREATED 68909-20-6	1-10	10 mg/m ³ inhal; 3 mg/m ³ respir	20 mppcf
STEARIC ACID 57-11-4	1-10	Not Listed	Not Listed
2-BUTANONE OXIME 96-29-7	****	Not Listed	Not Listed

3. HAZARDS IDENTIFICATION

Toxicity: Note: This product does not contain microcrystalline silica. May cause eye and skin irritation. ****When this product is exposed to moisture, butanone oxime may be formed. When heated to temperatures above 300 degrees F. in the presence of air, this product can form formaldehyde vapors.

Formaldehyde is a potential cancer hazard and a known skin and respiratory sensitizer. Safe handling conditions may be maintained by keeping vapor concentrations below the OSHA permissible limit for formaldehyde. May be harmful if swallowed. May irritate lips, gums, tongue, mouth, nose and throat. Eye and skin contact, ingestion, inhalation.

Primary Routes of Entry:

Signs and Symptoms of Exposure: Butanone oxime produced during curing is toxic and irritates eyes, nose and throat. Overexposure to the silane may cause coma and respiratory failure.

Medical Conditions Recognized as Being Aggravated by Exposure: None known

4. FIRST AID MEASURES

Ingestion: Rinse mouth. If swallowed, DO NOT induce vomiting. Keep individual calm. Obtain medical attention.

Inhalation: Move to fresh air in case of accidental inhalation of vapors. Oxygen or artificial respiration if needed. Obtain medical attention.

Skin Contact: Wipe off paste with paper towel or cloth. Wash off with soap and water. If skin irritation persists, call a physician.

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

Flash Point (°F/C): More than 200 degrees F. Method: Tag Closed Cup

Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.

Special Fire-Fighting Procedures: Water spray may be ineffective on flames but should be used to keep fire-exposed containers cool.

Hazardous Products Formed by Fire or Thermal Decomposition: Oxides of nitrogen, Methyl ethyl ketone, possibly methyl ethyl ketoxime., Silica fume., Oxides of carbon, Formaldehyde

Unusual Fire/Explosion Hazards: None

Lower Explosive Limit: Not determined

Upper Explosive Limit: Not determined

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Wipe or scrape up spill material. Maintain good ventilation for large spills. Place scrap material in a well-ventilated area and allow to cure to rubber. Clean up spills thoroughly as residue is slippery.

7. HANDLING AND STORAGE

Storage: Store in a dry area below 90 degrees F. Keep container closed when not in use.

Handling: Avoid contact with skin and eyes. Do not wear contact lenses. Do not inhale vapors.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses.

Skin: rubber or plastic gloves.

Ventilation: General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product.

Respiratory Protection: Not required under normal use. An approved respirator (i.e. NIOSH, etc.) should be worn when exposures are expected to exceed the applicable limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Grey paste

Odor: MILD

Boiling Point (°F): Not applicable, polymeric material

pH: Does not apply

Solubility in Water: Polymerized

Specific Gravity: 1.5

VOC Content(Wt.%): 7.1% by weight

Vapor Pressure: Less than 5 mm Hg @ 70 degrees F.

Vapor Density (Air=1): Not determined

Evaporation Rate: Not Determined

10. STABILITY AND REACTIVITY

Chemical Stability: Stable at normal conditions

Hazardous Polymerization: Will not occur

Incompatibilities: Polymerized by contact with moisture. Strong oxidizers. Acids, Iron.

Conditions to Avoid: Exposure to moisture

Hazardous Products Formed by Fire or Thermal Oxides of nitrogen. Methyl ethyl ketone, possibly methyl ethyl ketoxime..

Decomposition: Silica fume, Oxides of carbon. Formaldehyde.

11. TOXICOLOGICAL INFORMATION

See Section 3

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal: Disposal should be made in accordance with federal, state and local regulations.

US EPA Waste Number: NH - Not a RCRA Hazardous Waste Material

14. TRANSPORTATION INFORMATION

DOT (49CFR 172)

Domestic Ground Transport

DOT Shipping Name: Unrestricted

Hazard Class: None

UN/ID Number: None

Marine Pollutant: None

IATA

Proper Shipping Name: Not regulated

Class or Division: None

UN/NA Number: None

Product name: 599 ULTRA GREY SENSOR SAFE RTV
GASKET MAKER

Item 58599

IMDG

Proper Shipping: Unrestricted
Hazard Class: None
UN Number: None

15. REGULATORY INFORMATION

SARA 313 Chemicals: The following component(s) is listed as a SARA Section 313 Toxic Chemical.

SARA 313 Information

NONE

CALIFORNIA PROP 65:

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

TSCA Inventory Status:

Listed on Inventory: YES All components of this product are listed (or exempt) on the EPA TSCA inventory.

16. OTHER INFORMATION

Estimated NFPA Rating: HEALTH 1, FLAMMABILITY 1, INSTABILITY 1

Estimated HMIS Classification: HEALTH 1, FLAMMABILITY 1, PHYSICAL HAZARD 0

NFPA is a registered trademark of the National Fire Protection Assn.

HMIS is a registered trademark of the National Paint and Coatings Assn.

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