

Permatex, Inc.
 10 Columbus Blvd.
 Hartford, CT 06106 USA
 Telephone: 1-87-Permatex
 (877) 376-2839
 Emergency: 800-255-3924 (ChemTel)
 International Emergency: +01-813-248-0585

Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: 101BR SENSOR SAFE ULTRA COPPER SILICONE HIGH TEMP RTV 3 OZ
Item No: 81878
Product Type: Silicone

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH; TLV-TWA	OSHA PEL
POLY (DIMETHYLSILOXANE), HYDROXY TERMINATED 70131-67-8	50-70	Not listed	Not listed
POLYDIMETHYLSILOXANE 63148-62-9	20-40	Not listed	Not listed
MODIFIED SILICON DIOXIDE 68611-44-9	<10	Not listed	Not listed
VINYL OXIMINOSILANE 2224-33-1	<7	Not listed	Not listed
IRON OXIDE 1309-37-1	<3	5 mg/m ³	10 mg/m ³
SILICA, MICA 12001-26-2	<3	3 mg/m ³	20 mppcf
2-BUTANONE OXIME 96-29-7	0.5-2.0	Not listed	Not listed

3. HAZARDS IDENTIFICATION

Toxicity: May cause eye and skin irritation. When this product is exposed to moisture, butanone oxime may be formed. May be harmful if swallowed. May irritate lips, gums, tongue, mouth, nose and throat. Note: This product does not contain microcrystalline silica.
Primary Routes of Entry: Eye and skin contact, ingestion, inhalation
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.

Component	Weight%	NTP	ACGIH Carcinogens	IARC
IRON OXIDE 1309-37-1	<3		A4 - Not Classifiable	Group 3, Supplement 7 1987; Monograph 1 1972

Medical Conditions Recognized as Being Aggravated by Exposure: Persons with respiratory problems such as emphysema and asthma should avoid inhalation.

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 vapours. Obtain medical attention.
Skin Contact: Wipe off material 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°): >200°F TCC
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 of Combustion: Oxides of nitrogen, Methyl ethyl ketone, possibly methyl ethyl ketoxime, Silica fume, Oxides of carbon, Formaldehyde
Unusual Fire/Explosion Hazards: None.

Product Name: 101BR SENSOR SAFE ULTRA COPPER
SILICONE HIGH TEMP RTV 3 OZ

Item No: 81878

5. FIRE FIGHTING MEASURES

Lower Explosive Limit: Iron oxide: 2.6
Upper Explosive Limit: Iron oxide: 12.5

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: Neoprene or nitrile gloves recommended.
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: An approved organic vapor respirator should be worn when exposures are expected to exceed the applicable limits.

Comments: 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

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Copper-colored paste
Odor: Mild
Boiling Point: Not applicable, polymeric material
pH: 7-8
Solubility in Water: Polymerized
Specific Gravity: 1.05
VOC(Wt.%): <4%
Vapor Pressure: <5 mm Hg @ 80°F
Vapor Density (Air=1): 3.0
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 of Combustion: Oxides of nitrogen, Methyl ethyl ketone, possibly methyl ethyl ketoxime, 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)
Ground Transport (DOT)

Product Name: 101BR SENSOR SAFE ULTRA COPPER
SILICONE HIGH TEMP RTV 3 OZ

Item No: 81878

14. TRANSPORTATION INFORMATION

DOT Shipping Name: Not regulated
Hazard Class: None
UN/ID Number: None

IATA

Proper Shipping Name: Not regulated
Class or Division: None
UN/ID Number: None

IMDG

Proper Shipping: Not regulated
Hazard Class: None
UN Number: None

Marine Pollutant: None

15. REGULATORY INFORMATION

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

NONE

California Proposition 65: No California Prop 65 chemicals are known to be present at or above the No Significant Risk Level

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

16. OTHER INFORMATION

Estimated NFPA Rating: HEALTH 1, FLAMMABILITY 1, REACTIVITY 0.

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.

Prepared By: Denise Boyd, Manager-Environmental, Health & Safety
Company: Permatex, Inc. 10 Columbus Blvd. Hartford, CT USA 06106

Revision Date: December 20, 2010

Revision Number: 2

Telephone No.: 1-87-Permatex (877) 376-2839