SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

Product Name:	**Permatex ® 26C High Temperature Red RTV Silicone Gasket Maker – 11 oz**
Product Code:	81409
Stock No.:	81409
Manufacturer Name:	Permatex, Inc.
Address:	10 Columbus Blvd. Hartford, CT 06106 USA
General Phone Number:	1-87-Permatex, (877) 376-2839
Emergency Phone Number:	800-255-3924
CHEMTREC:	For emergencies in the US, call CHEMTREC: 800-424-9300
MSDS Creation Date:	December 27, 2008
MSDS Revision Date:	December 30, 2012
(M)SDS Format:	

HMIS

Health Hazard	**2**
Fire Hazard	**1**
Reactivity	
Personal Protection	**1**

SECTION 2 : COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent
Dimethyl siloxane, hydroxy-terminated	70131-67-8	>60 by weight
Amorphous silica	7631-86-9	5 - 15 by weight
Distillates (petroleum), hydrotreated middle	64742-46-7	1 - 10 by weight
Methyltriacetoxysilane	4253-34-3	1 - 10 by weight
Ethyltriacetoxysilane	17689-77-9	1 - 10 by weight
Polydimethyl Siloxane	63148-62-9	1 - 10 by weight
Titanium dioxide	13463-67-7	1 - 10 by weight
Iron oxide	1309-37-1	1 - 10 by weight

Note: ****When this product is exposed to moisture, acetic acid may be formed.

SECTION 3 : HAZARDS IDENTIFICATION

Emergency Overview:	CAUTION! Irritant.
Route of Exposure:	Eyes. Skin. Inhalation. Ingestion.
Potential Health Effects:	
Eye:	May cause eye irritation.
Skin:	May cause skin irritation.
Inhalation:	Prolonged or excessive inhalation may cause respiratory tract irritation.
Ingestion:	Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Signs/Symptoms:	Acetic acid produced during curing irritates eyes, nose and throat.
Aggravation of Pre-Existing Conditions:	Methyltriacetoxysilane: Eye, skin and pulmonary disorders.

SECTION 4 : FIRST AID MEASURES

Eye Contact:	Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention.
Skin Contact:	Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion:	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

SECTION 5 : FIRE FIGHTING MEASURES

Flash Point Method:	Tag closed cup (TCC)
Auto Ignition Temperature:	Not determined.
Lower Flammable/Explosive Limit:	Not determined.
Upper Flammable/Explosive Limit:	Not determined.
Fire Fighting Instructions:	Evacuate area of unprotected personnel. Use cold water spray to cool fire exposed containers to minimize risk of rupture. Do not enter confined fire space without full protective gear. If possible, contain fire run-off water.
Extinguishing Media:	Use carbon dioxide (CO2) or dry chemical when fighting fires involving this material.
Protective Equipment:	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.
Unusual Fire Hazards:	None.

NFPA Ratings:

NFPA Health:

NFPA Flammability:

NFPA Reactivity:

NFPA Other:

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personnel Precautions:	Evacuate area and keep unnecessary and unprotected personnel from entering the spill area.
Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.
Spill Cleanup Measures:	Absorb spill with inert material (e,g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section. After removal, flush spill area with soap and water to remove trace residue. Avoid personal contact and breathing vapors or mists. Ventilate area. Use proper personal protective equipment as listed in section 8.
Methods for containment:	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.
Methods for cleanup:	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.
Other Precautions:	Pump or shovel to storage/salvage vessels. Add inhibitor to prevent polymerization.

SECTION 7 : HANDLING and STORAGE

Handling:	Use with adequate ventilation. Avoid breathing vapor, aerosol or mist.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat and incompatible materials. Keep container tightly closed when not in use.
Special Handling Procedures:	Provide appropriate ventilation/respiratory protection against decomposition products (see Section 10) during welding/flame cutting operations and to protect against dust during sanding/grinding of cured product.
Hygiene Practices:	Wash thoroughly after handling.

SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
Skin Protection Description:	Wear appropriate protective gloves and other protective apparel to prevent skin contact. Consult manufacturer's data for permeability data.
Respiratory Protection:	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits.

	circumstances where air purifying respirators may not provide adequate protection.
Other Protective:	Facilities storing or utilizing this material should be equipped with an eyewash and a deluge shower safety station.

EXPOSURE GUIDELINES

Distillates (petroleum), hydrotreated middle :

Guideline Type:	
Guideline Info:	ACGIH TLV: 5 mg/m3 TWA (oil mist) ; OSHA PEL: 5 mg/m3 PEL (oil mist) ;

Titanium dioxide :

Guideline ACGIH:	10 mg/m3 TLV-TWA: 10 mg/m3

Iron oxide :

Guideline ACGIH:	5 mg/m3 TLV-TWA: 5 mg/m3 Respirable fraction (R)
Guideline OSHA:	10 mg/m3 PEL-TWA: 10 mg/m3

SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance:	Paste.
Color:	Red
Odor:	Acetic acid
Boiling Point:	Not determined.
Specific Gravity:	1.0
Solubility:	Polymerized
Vapor Density:	Not determined.
Vapor Pressure:	10 mmHg @80 °F
Evaporation Rate:	Not determined.
Evaporation Point:	Not Determined
pH:	Not determined.
Flash Point:	>200 °F (>93.3°C)
Flash Point Method:	Tag closed cup (TCC)
Auto Ignition Temperature:	Not determined.
VOC Content:	3% by weight; 30 g/l

SECTION 10 : STABILITY and REACTIVITY

Chemical Stability:	Stable under normal temperatures and pressures.
Hazardous Polymerization:	Polymerization may occur under certain conditions.
Conditions to Avoid:	Exposure to moisture
Incompatible Materials:	Polymerized by contact with moisture. Acetic acid liberated.

SECTION 11 : TOXICOLOGICAL INFORMATION

Dimethylsiloxane, hydroxy-terminated :

RTECS Number:	VW3168750
Skin:	Administration onto the skin - Rabbit LD50 : >16 mL/kg [Kidney, Ureter, Bladder - Other changes Nutritional and Gross Metabolic - Other changes]
Inhalation:	Inhalation - Rat LC50 : >8750 mg/m3/7H [Lungs, Thorax, or Respiration - Other changes]
Ingestion:	Oral - Rat LD50 : >15400 mg/kg [Sense Organs and Special Senses (Eye) - Ptosis Behavioral - Somnolence (general depressed activity) Kidney, Ureter, Bladder - Urine volume increased]

Amorphous silica :

RTECS Number:	VV7565000

Distillates (petroleum), hydrotreated middle :

RTECS Number:	JN9379645
Skin:	Administration onto the skin - Mouse TDLo : 416 gm/kg/2Y-I [Tumorigenic - Equivocal tumorigenic agent by RTECS criteria Skin and Appendages - Tumors]

Ingestion:	Oral - Rat LD50 : 2060 mg/kg [Details of toxic effects not reported other than lethal dose value]

Polydimethyl Siloxane :

RTECS Number:	JT6485000
Eye:	Eye - Rabbit Standard Draize test.: 100 uL/24H [mild]
Skin:	Administration onto the skin - Rabbit LD : >10200 mg/kg [Details of toxic effects not reported other than lethal dose value] Administration onto the skin - Rabbit Standard Draize test.: 500 uL/24H [mild]

Titanium dioxide :

RTECS Number:	XR2275000
Skin:	Administration onto the skin - Human : 300 ug/3D (Intermittent)
Carcinogenicity:	IARC: Group 2B: Possibly carcinogenic to humans.

Iron oxide :

RTECS Number:	NO7400000

SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicity:	No ecotoxicity data was found for the product.
Environmental Fate:	No environmental information found for this product.

SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal:	Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.
RCRA Number:	Not determined.

SECTION 14 : TRANSPORT INFORMATION

DOT Shipping Name:	Unrestricted
DOT UN Number:	Not applicable.
DOT Hazard Class:	Not applicable.
DOT Packing Group:	Not applicable.
IATA Shipping Name:	Non regulated.
IATA UN Number:	Not applicable.
IATA Hazard Class:	Not applicable.
ICAO UN Number :	None
ICAO Shipping Name:	Not regulated
ICAO Hazard Class :	None

SECTION 15 : REGULATORY INFORMATION

Dimethyl siloxane, hydroxy-terminated :

TSCA Inventory Status:	Listed
Canada DSL:	Listed

Amorphous silica :

TSCA Inventory Status:	Listed
Massachusetts:	Listed
Pennsylvania:	Listed
Canada DSL:	Listed

Distillates (petroleum), hydrotreated middle :

TSCA Inventory Status:	Listed
Canada DSL:	Listed

Methyltriacetoxysilane :

Ethyltriacetoxysilane :

TSCA Inventory Status:	Listed
Canada DSL:	Listed

Polydimethyl Siloxane :

TSCA Inventory Status:	Listed
Canada DSL:	Listed

Titanium dioxide :

TSCA Inventory Status:	Listed
Massachusetts:	Listed
Pennsylvania:	Listed
Canada DSL:	Listed

Iron oxide :

TSCA Inventory Status:	Listed
Massachusetts:	Listed
Pennsylvania:	Listed
Canada DSL:	Listed
Canadian Regulations.	WHMIS Hazard Class(es): D2B All components of this product are on the Canadian Domestic Substances List.

SECTION 16 : ADDITIONAL INFORMATION

MSDS Creation Date:	December 27, 2008
MSDS Revision Date:	December 30, 2012
MSDS Author:	Actio Corporation
Disclaimer:	This Health and Safety Information is correct to the best of our knowledge and belief at the date of its publication but we cannot accept liability for any loss, injury or damage which may result from its use. The information given in the Data Sheet is designed only as a guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment.