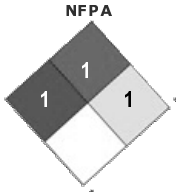
SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

Product Name:	**PERMATEX® #6 Sensor Safe Blue RTV Silicone Gasket Maker - 12.9 oz. cartridge**
Product Code:	80628
Stock No.:	80628
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:	August 12, 2010
MSDS Revision Date:	December 30, 2012
(M)SDS Format:	



HMIS	
Health Hazard	1
Fire Hazard	1
Reactivity	1
Personal Protection	X

SECTION 2 : COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent
Amorphous silica	7631-86-9	5 - 25 by weight
Methyltriacetoxysilane	4253-34-3	<5 by weight
Distillates (petroleum), hydrotreated middle	64742-46-7	<7 by weight
Dimethyl siloxane, hydroxy-terminated	70131-67-8	>60 by weight
Ethyltriacetoxysilane	17689-77-9	<5 by weight
Acetic acid	64-19-7	0.5 - 2.0 by weight
Polydimethylsiloxane	63148-62-9	< 5 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.
Hazardous Combustion Byproducts:	Oxides of carbon and other unknown organic compounds. Irritating fumes and gases may be released upon thermal processing or during combustion.

NFPA Ratings:

NFPA Health:	1
NFPA Flammability:	1
NFPA Reactivity:	1
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

	cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other 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

Acetic acid :

Guideline ACGIH:	10 ppm TLV-STEL: 15 ppm TLV-TWA: 10 ppm
Guideline OSHA:	10 ppm PEL-TWA: 10 ppm
Notes :	Only established PEL and TLV values for the ingredients are listed.

SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance:	Paste.
Color:	blue
Odor:	Acetic acid (vinegar like)
Boiling Point:	Not determined.
Melting Point:	Not determined.
Specific Gravity:	1.04
Solubility:	Polymerize
Vapor Density:	Not determined.
Vapor Pressure:	5 mmHg
Evaporation Rate:	Slower than butyl acetate.
pH:	Not determined.
Molecular Formula:	Mixture
Molecular Weight:	Mixture
Flash Point:	>200 °F (>93.3°C)
Flash Point Method:	Tag closed cup (TCC)
Auto Ignition Temperature:	Not determined.
VOC Content:	4%

SECTION 10 : STABILITY and REACTIVITY

Chemical Stability:	Stable under normal temperatures and pressures.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Exposure to moisture
Incompatible Materials:	Polymerized by contact with moisture. Acetic acid liberated.

SECTION 11 : TOXICOLOGICAL INFORMATION

Amorphous silica :

RTECS Number:	VV7565000

Methyltriacetoxysilane :

RTECS Number:	VV4500000
Ingestion:	Oral - Rat LD50 : 2060 mg/kg [Details of toxic effects not reported other than lethal dose value]

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]

Dimethyl siloxane, 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

	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]

Acetic acid :

RTECS Number:	AF1225000
Eye:	Eye - Rabbit Rinsed with water.: 5 mg/30S
Skin:	Administration onto the skin - Rabbit : 1060 uL/kg [Details of toxic effects not reported other than lethal dose value] Administration onto the skin - Rat : 0.25 mg/kg [Gastrointestinal - Ulceration or bleeding from duodenum] Administration onto the skin - Rabbit : 0.04 gm/kg/24H [Skin and Appendages - Primary irritation (After topical exposure)] Administration onto the skin - : 1060 mg/kg [Details of toxic effects not reported other than lethal dose value] Administration onto the skin - Rabbit : 1060 mg/kg [Details of toxic effects not reported other than lethal dose value] Administration onto the skin - Mouse : 79279 ug/kg Administration onto the skin - Mouse : 1201 mg/kg Administration onto the skin - Human : 50 mg/24H Administration onto the skin - Rabbit : 525 mg Administration onto the skin - Rabbit : 50 mg/24H
Inhalation:	Inhalation - Mouse LC50: 5620 ppm/1H [Sense Organs and Special Senses (Eye) - Conjunctive irritation Sense Organs and Special Senses (Eye) - effect, not otherwise specified Blood - Other changes]
Ingestion:	Oral - Rat LD50: 3310 mg/kg [Details of toxic effects not reported other than lethal dose value]
Carcinogenicity:	Not listed in IARC, NTP, or OSHA

Polydimethylsiloxane :

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]

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:	Not Regulated.
DOT UN Number:	Not Regulated.

SECTION 15 : REGULATORY INFORMATION

Amorphous silica :

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

Methyltriacetoxysilane :

TSCA Inventory Status:	Listed
Canada DSL:	Listed

Distillates (petroleum), hydrotreated middle :

TSCA Inventory Status:	Listed

TSCA Inventory Status:	Listed
Canada DSL:	Listed

Ethyltriacetoxysilane :

TSCA Inventory Status:	Listed
Canada DSL:	Listed

Acetic acid :

TSCA Inventory Status:	Listed
Massachusetts:	Listed: Massachusetts Oil and Hazardous List
Pennsylvania:	Listed
Canada DSL:	Listed

Polydimethylsiloxane :

TSCA Inventory Status:	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:	August 12, 2010
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.