

MATERIAL SAFETY DATA SHEET

REVISION DATE: 07-19-07

SUPERSEDES:

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMPANY INFORMATION

PARR Technologies LLC
24087 County Road 6 East
Elkhart, Indiana 46514
Phone: 574-264-9614

Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

PRODUCT INFORMATION

PRODUCT NUMBER: SI-7000 Clear, SI-7124 Aluminum, SI-7126 Black, SI-7770 White
PRODUCT DESCRIPTION: General Purpose Silicone Sealant

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Unlisted ingredients are not 'hazardous' per the Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200) and/or are not found on the Canadian Workplace Hazardous Materials Information System ingredient disclosure list. See Section 8 for any additional exposure limit guidelines.

Chemical Name	CAS #	PERCENT	OSHA PEL
Amorphous Silica	7631-86-9	10.0-30.0	Total Dust TWA 15 mg/m ³
Methyl Triacetoxysilane	4253-34-3	1.0-5.0	TWA 10 ppm
Ethyl Triacetoxysilane	17689-77-9	1.0-5.0	TWA 10 ppm
Octamethylcyclotetrasiloxane	556-67-2	0.1-1.0	TWA 10 ppm
Black Sealant: Carbon Blace	1333-86-4	0.1-1.0	TWA 3.5 mg/m ³

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS RATING: HEALTH -- 0 FLAMMABILITY -- 1 REACTIVITY -- 0

See SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for personal protective equipment recommendations.

POTENTIAL HEALTH EFFECTS BY ROUTE OF ENTRY

EYE: Direct contact may cause moderate irritation.

SKIN: May cause moderate irritation.

INHALATION: Irritates respiratory passages very slightly.

Inhalation of dusts produced during cutting, grinding or sanding of this product may cause irritation of the respiratory tract.

INGESTION: Ingestion is not an anticipated route of exposure.

LONG-TERM (CHRONIC) HEALTH EFFECTS

TARGET ORGAN(S): No organs known to be damaged from exposure to this product.

REGULATED CARCINOGEN STATUS:

Unless noted below, this product does not contain regulated levels of NTP, IARC, ACGIH, or OSHA listed carcinogens.

EXISTING HEALTH CONDITIONS AFFECTED BY EXPOSURE: No medical conditions affected by exposure.

SECTION 4: FIRST AID MEASURES

IF IN EYES: Flush with copious quantities of lukewarm water. Do not attempt to physically remove the solids or gums from the eye. Seek medical attention immediately.

IF ON SKIN: Remove contaminated clothing. Wash thoroughly with warm water and non-abrasive soap. Seek medical attention if you feel ill or a reaction develops.

IF VAPORS INHALED: Remove to fresh air. Restore breathing, if necessary. Keep warm and quiet. Get medical attention immediately.

IF SWALLOWED: No hazard in normal industrial use. Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this MSDS.

MATERIAL SAFETY DATA SHEET

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT:	Not applicable
AUTOIGNITION TEMPERATURE:	Not established
LOWER EXPLOSIVE LIMIT (% in air):	Not established
UPPER EXPLOSIVE LIMIT (% in air):	Not established
EXTINGUISHING MEDIA:	Use water spray, foam, dry chemical or carbon dioxide.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Material will burn in a fire.
SPECIAL FIRE FIGHTING INSTRUCTIONS:	Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.
HAZARDOUS COMBUSTION PRODUCTS:	Carbon dioxide, Silicone dioxide, metal oxides, formaldehyde, and traces of incompletely burned carbon products.

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPECIAL PROTECTION: Restrict access to the area of the spill. Provide ventilation and protective clothing. Scrape up sealant and place in container for disposal. Clean area as appropriate since silicone materials can represent a slip hazard. Cleaning may require steam or detergents. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur. Local, state, provincial, federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup.

Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

SECTION 7: HANDLING AND STORAGE

Handling: Store in an adequately ventilated area under dry conditions between 50°F (10°C) to 77°F (25°C)

Storage: Keep container tightly sealed when not in use.

Consult the Technical Data Sheet for specific storage instructions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION:	Wear safety glasses with side-protection.
SKIN PROTECTION:	Prevent contact with this product. Wear chemically resistant gloves, long sleeved shirt, an apron, and other protective equipment depending on conditions of use.
GLOVES:	Not normally required. Use nitrile gloves if conditions warrant.
RESPIRATORY PROTECTION:	No respiratory protection should be needed.
VENTILATION:	Ventilation: In indoor applications, passive ventilation (opening of doors and windows) is recommended. Local exhaust as necessary to keep exposure levels within guidelines Use local exhaust ventilation or other engineering controls to minimize exposures.

EXPOSURE LIMITS:

Chemical Name	ACGIH EXPOSURE LIMITS	AIHA WEEL
Amorphous Silica	TWA 10 mg/m ³	
Methyl Triacetoxysilane	TWA 10 ppm	
Ethyl Triacetoxysilane	TWA 10 ppm	
Octamethylcyclotetrasiloxane	TWA 10 ppm	
Black Sealant: Carbon Blace	TWA 3.5 mg/m ³	

MATERIAL SAFETY DATA SHEET

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Paste
COLOR:	Clear, White, Black, or Aluminium
ODOR:	Acetic acid
ODOR THRESHOLD:	Not established
SPECIFIC GRAVITY:	1.01
SOLIDS (% by weight):	100%
pH:	Not established
BOILING POINT (deg. C):	Not established
FREEZING/MELTING POINT (deg. C):	Not established
VAPOR PRESSURE (mm Hg):	Not established
VAPOR DENSITY:	Not established
EVAPORATION RATE:	Not established
OCTANOL/WATER COEFFICIENT:	Not established

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable under normal conditions.
CHEMICAL INCOMPATIBILITY:	Strong oxidizing agents or electrophiles (e.g. ferric chloride). Concentrated acids or bases can degrade the silicone polymer.
HAZARDOUS POLYMERIZATION:	Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS:	

SECTION 11: TOXICOLOGICAL INFORMATION

CHEMICAL NAME	LD50(Oral-rat)	LC50(Inhalation-rat)
Amorphous Silica	3,160 mg/kg	>0.139 mg/L (4 hr)
Methyl Triacetoxysilane	2,060 mg/kg	Not available
Ethyl Triacetoxysilane	1,460 mg/kg	Not available
Octamethylcyclotetrasiloxane	1,540 mg/kg	Not available
Black Sealant: Carbon Black	Not available	Not available

Effects of overexposure:	Acetic acid vapors may irritate eyes, nose and throat. Direct contact with eyes and skin will irritate.
Sensitization:	Not Known
Reproductive Toxicity:	Evidence of reproductive effects in laboratory animals when exposed to Octamethylcyclotetrasiloxane (CAS# 556-67-2) by inhalation at concentrations of 500 ppm or higher for 70 days prior to mating.
Teratogenicity:	Not known
Mutagenicity:	Not known
Synergistic Products:	Not known

SECTION 12: ECOLOGICAL INFORMATION

OVERVIEW: No ecological information available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose in accordance with Federal, State / Provincial and local regulations.

SECTION 14: TRANSPORTATION INFORMATION

Shipping Information: Not subject to DOT, TDG, IMDG Code or IATA Regulations.

MATERIAL SAFETY DATA SHEET

SECTION 15: REGULATORY INFORMATION

TSCA Inventory Status:	Chemical components listed on TSCA inventory except as exempted.
NFPA Profile:	Health 2, Flammability 1, Reactivity 0
SARA TITLE III Chemical Listings:	<u>Section 302 Extremely Hazardous Substances:</u> None <u>Section 304 CERCLA Hazardous Substances:</u> None <u>Section 312 Hazard Class: Acute:</u> Yes; Chronic: No; Fire: No; Pressure: No; Reactive: No <u>Section 313 Toxic Chemicals:</u> None present or none present in regulated quantities.
State Substance List:	This product contains a listed substance(s) that appears on one or more of the Substance Lists for Pennsylvania, Massachusetts and New Jersey: amorphous silica (CAS# 7631-86-9); methyl triacetoxysilane (CAS# 4253-34-3); ethyl triacetoxysilane (CAS#17689-77-9); dimethylsiloxane, hydroxy terminated (CAS#70131-67-8); isoparaffinic hydrocarbon (CAS# 64742-46-7); and carbon black (CAS# 1333-86-4).
California Proposition 65 List:	None known.
Volatile Organic Content:	32 grams per liter (0.27 lb/gallon), 3.17% by weight (meets California Air Resources Board VOC standard for sealants and caulking compounds (12/31/2002).
WHMIS Classification:	D2A, D2B
Domestic Substance List:	Chemical components listed on DSL except as exempted.

SECTION 16: ADDITIONAL INFORMATION

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS).

Prepared by: Parr Technologies, LLC
Phone: 574-264-9614

The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to the Parr Technologies, LLC from its suppliers, and because Parr Technologies, LLC has no control over the conditions of handling and use, Parr Technologies, LLC makes no warranty, expressed or implied, regarding the accuracy of the data or the results to be obtained from the use thereof. The information is supplied solely for your information and consideration, and Parr Technologies, LLC assumes no responsibility for use or reliance thereon. It is the responsibility of the user of Parr Technologies, LLC products to comply with all applicable federal, state and local laws and regulations.