

MATERIAL SAFETY DATA SHEET

Product: PC5 Siloxane
 Manufacturer's Name: Precision Coatings
 Address: 1940 E. Trafficway, Springfield, MO 65802

MSDS No. 5000a
 Date Prepared: October 13, 2010
 Emergency Telephone
 Number: 800-424-9300
 Other Information
 Calls: 417-862-5738

SECTION-1 IDENTITY

Common Name (Used on Label): PC5 Siloxane

Chemical Name: Paint

CAS No: None

Chemical Family: Siloxane

Formula: PC5a

SECTION-2 HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Components	CAS No.	Vapor Pressure	ACGIH TLV		OSHA		
			TWA	STEL	PEL	CEILING	PEAK
Benzene, 1-chloro-4 (Trifluoromethyl)-PCBTF	98-56-6	5.3mmHg		NE	NE	20ppm	NE
Bis (1,2,2,6,6-Pentamethyl- 4-Piperdiny)l Sebacate	41556-26-7	NE		NE	NE	NE	NE
2-Hydroxy-4-n-octoxybenzophenone	1843-0506	NE		5mg/m3	NE	NE	NE
Specific colors contain one or more of the following:							
Carbon black	1333-86-4	none		3.5mg/m3 NE	3.5mg/m3	NE	NE
Titanium dioxide	13463-67-7	none		10mg/m3 NE	10mg/m3	NE	NE
Aluminum Hydroxide	21645-51-2	none		NE	NE	NE	NE
Amorphous Silica	7631-86-9	none		10mg/m3 NE	6mg/m3	NE	NE
Iron oxide yellow	51274-00-1	none		5mg/m3 NE	10 ppm	NE	NE
Iron oxide red	1332-37-2	none		5mg/m3 NE	10 ppm	NE	NE
Iron oxide black	1317-61-9	none		5mg/m3 NE	10 ppm	NE	NE

SECTION-3 PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point: 282° F (139 C) Specific Gravity: 1.1816 - 1.5852 Vapor Pressure(mm Hg): NE
 Percent Volatile by Volume: 30 Vapor Density (Air =1): Heavier Evaporation Rate(Ether=1):Slower
 Solubility in Water: Slight Reactivity in Water: None Appearance: Colorless liquid
 Odor: Naphthalenic odor

Flammability Classification: OSHA: Combustible Liquid DOT: Not Regulated

VOC as applied (less water & exempt compounds): 96 grams/liter max. (1.55 lbs/gal) includes cure VOC

VOC as packaged (less water & exempt compounds): 3 grams/liter max. (0.02 lbs/gal)

VOC of material as packaged: 2 grams/liter max. (0.01 lbs/gal)

SECTION-4 FIRE & EXPLOSION DATA

Flash Point: 109°F 42.8°C Method Used: TCC Auto-Ignition Temperature: NE
 Extinguisher Media: NFPA Class B (CO2, Dry Chemical, Foam)
 Flammable Limits in Air % by volume: LEL Lower: NE UEL Upper: NE
 Special Fire Fighting Procedures: Water spray may be ineffective on fire but can protect fire fighters and cool containers to prevent pressure buildup. Use fog nozzles if water is used. Full protective equipment, including self-contained breathing apparatus, is recommended.
 Unusual Fire and Explosion Hazards: Combustible liquid. Overheated drums may rupture. Vapors can travel to source of ignition and flash back.

SECTION-5 PHYSICAL HAZARDS (REACTIVITY DATA)

Stability: Stable

Conditions to Avoid: Keep away from heat, sparks, electrical equipment and open flame.

Incompatibility (materials to avoid): Strong oxidizers

Hazardous Decomposition Products: Oxides of Carbon, silicon dioxide.

Hazardous Polymerization: Will not occur.

SECTION-6 HEALTH HAZARDS

Acute Overexposure:

Excessive vapor concentration in air, especially in confined spaces, may cause asphyxiation.

Excessive inhalation of vapors can cause nasal, throat, and respiratory irritation, dizziness, weakness, fatigue, nausea, headache and possible unconsciousness.

Eye contact with liquid or vapor causes irritation

Prolonged skin contact may lead to extraction of natural oils with resultant dry skin, cracking, irritation and dermatitis.

Swallowing may cause gastrointestinal irritation and damage to the lining of the gastrointestinal tract.

Aspiration of material into the lungs may cause chemical pneumonitis, which can be fatal.

Notice: Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage.

Chronic Overexposure:

Health studies have shown that many petroleum hydrocarbons pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids and vapors should be minimized.

Prolonged or continuous inhalation of vapors may result in lung damage.

Repeated or prolonged inhalation of vapor or spray mist may cause liver and kidney damage.

Carcinogenicity: Based on an IRAC conclusion that there is *insufficient evidence* in experimental animals for the carcinogenicity of carbon black" and *inadequate evidence* of carcinogenicity in humans, IRAC's overall evaluation is that "carbon black is *possibly carcinogenic to humans*" (Group 2B).

Carbon black has not been listed as a carcinogen by the National Toxicology Program (NTP) or the Occupational Safety and Health Administration (OSHA). The National Institute of Occupational Safety & Health (NIOSH) criteria document on carbon black recommends that only carbon blacks with PAH (polynuclear aromatic hydrocarbons) levels greater than 0.1% be considered suspect carcinogens. The carbon black pigment used in this product contains less than 0.1% PAH.

SECTION-8 SPECIAL PRECAUTIONS

Observe label precautions. Keep away from heat, sparks and flame. Close container after each use.

Ground containers when pouring. Wash thoroughly after handling and before eating or smoking. Do not store above 120 degrees F. Do not flame cut, saw, braze or weld containers.

SECTION-9 SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Remove all sources of ignition. Isolate from oxidizers. Ventilate area. Remove with inert materials and non-sparking tools.

Waste disposal methods: Dispose in accordance with all Federal, State and Local regulations.

When discarded, this material is a hazardous waste.

SECTION-10 SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Do not breathe vapors or mists. Wear an appropriate, properly fitted respirator (NIOSH/MSHA approved) during application and handling unless air monitoring demonstrates vapor/mist levels

below applicable limits. Follow respirator manufacturer's recommendations for selection and use. Do not permit anyone without protection in the painting area.

Ventilation: Provide sufficient ventilation to keep vapor concentration below the given TLV and/or PEL.

Protective clothing: Solvent resistant gloves are required for prolonged or repeated contact. Refer to safety equipment supplier for effective glove recommendations.

Use safety goggles or safety glasses with splash guards or side shields to protect against splash of liquids.

Other protective equipment such as eye bath and shower should be available. Use chemical resistant apron, boots or other clothing if needed to avoid repeated or frequent contact. Liquid may penetrate shoes and leather causing delayed irritation.

SECTION-11 REGULATORY INFORMATION

OSHA: This product is considered hazardous under the Federal OSHA Hazard Communication Standard.

SARA Title III Section 302 Extremely Hazardous Substances: None

SARA Title III Section 311/312 Hazard Categories: Immediate health, delayed health, fire hazard.

Section 313 Supplier Notification: The chemicals listed below with percentages are subject to the reporting requirements of Section 313 of the Emergency Planning and Right-To-Know Act of 1986 and of 40 CFR 372:

<u>CAS Number</u>	<u>Chemical Name</u>	<u>% by Weight</u>
71-36-3	1-Butanol	<0.001
67-56-1	Methanol	<0.10
108-88-3	Benzene, methyl-	<0.005

Hazardous Air Pollutants: 67-56-1, Methanol

Hazardous Waste: When discarded in its supplied form, this product must be considered a hazardous waste.

TSCA status: All ingredients are TSCA registered.

CEPA status: All ingredients are listed on the DSL or NDSL.

Proposition 65 Warning: This product contains substances which are known by the state of California to cause cancer, birth defects or other reproductive harm: 108-88-3, Benzene, methyl-

DOT Proper Shipping Name: Paint; **Hazard Class or Division:** 3; **ID #:** UN1263; **Packing Group:** III

SECTION-12 OTHER INFORMATION

While Precision Coatings believes that the data contained herein are accurate and derived from qualified sources, the data are not to be taken as a warranty or representation for which Precision Coatings assumes legal responsibility. They are offered solely for your consideration, investigation, and verification. Any use of these data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.