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Canadian Workplace Hazardous Materials Information System
Material Safety Data Sheet

I. PRODUCT IDENTIFICATION

Product Name: **PC 16C BLACK SILICONE ADHESIVE SEALANT 300 ML**
Item No: **81238**
Product Type: **Elastomeric rubber**

II. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	LD50/oral/rat	LC50/inhalation/rat	ACGIH; TLV-TWA
POLY (DIMETHYLSILOXANE), HYDROXY TERMINATED 70131-67-8	30-50	>40,000 mg/kg	>535 mg/l	
LIMESTONE 1317-65-3	20-40	>5000 mg/kg	not available	
CALCIUM CARBONATE 471-34-1	15-40	6450 mg/kg	not available	10 mg/m^3
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT 64742-47-8	<5	>5 g/kg	>5.2 mg/L (4H)	
VINYL OXIMINOSILANE 2224-33-1	<5	not available	not available	
CARBON BLACK 1333-86-4	<3	>15400 mg/kg	not available	3.5 mg/m^3
STEARIC ACID 57-11-4	<2	not available	not available	
2-BUTANONE OXIME 96-29-7	0.5-2.0	930 mg/kg	20 mg/L/4H	

III. PHYSICAL DATA

Physical State/Appearance: Black paste
Odour & Odour Threshold: Mild odour
Specific Gravity: 1.43
Evaporation Rate: Not determined
Vapour Pressure: <5 mmHg @ 21°C
Vapour Density: Approximately 3
Freezing Point: Not determined
pH: Does not apply
Octanol/Water Coefficient: Not determined
Boiling Point: Not applicable, Polymeric

IV. FIRE AND EXPLOSIVE DATA

Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.
Hazardous Combustion Products: Formaldehyde, silica fume, oxides of carbon, Oxides of nitrogen, methyl ethyl ketone, possibly methyl ethyl ketoxime.
Sensitivity to Static Discharge: Sensitivity to static discharge is not expected.
Conditions of Flammability: None anticipated.
Flash Point/Range: >95°C COC
Autoignition Temperature: Not determined
Upper Explosive Limit: Not determined
Lower Explosive Limit: Not determined

V. REACTIVITY DATA

Conditions Causing Chemical Instability: None
Materials to avoid: Polymerization can occur, Strong oxidizing agents, Water, Acids
Conditions of Reactivity: None.
Hazardous Decomposition Products: Carbon oxides, Oxides of nitrogen, Methyl ethyl ketoxime, Formaldehyde

VI. HAZARDS IDENTIFICATION

Primary Routes of Exposure: Eye and skin contact, ingestion, inhalation
Existing Conditions Aggravated by Exposure: None known
Toxicity Information: **(See Effects of Acute Exposure to Product)**

Effects of Acute Exposure: Moderately toxic if swallowed. Irritating to mouth, throat and stomach with nausea.
Effects of Chronic Exposure: See (Effects of Acute Exposure to Product).
Irritancy of Product: The silanes may cause an allergic skin reaction. Overexposure to silane may cause coma and respiratory failure. Such overexposure is unlikely. 2-Butanone oxime vapors produced during cure are toxic and irritate eyes, nose and throat.
Sensitization to Product: **(See Effects of Acute Exposure to Product)**
Carcinogenicity: **(See Effects of Chronic Exposure to Product)**
Reproductive Toxicity: **(See Effects of Chronic Exposure to Product)**
Teratogenicity: **(See Effects of Chronic Exposure to Product)**
Mutagenicity: **(See Effects of Chronic Exposure to Product)**
Toxicologically Synergistic Products: None known
WHMIS Hazard Class: D2B TOXIC MATERIALS

VII. PREVENTATIVE MEASURES

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.
Engineering Controls: In case of insufficient ventilation, wear an organic vapor respirator
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.
Protection of Man and Environment: Follow Canadian and local regulations for disposal.
Handling Procedures and Equipment: Store in a dry area below 35°C. Keep container closed when not in use.
Special Handling Information: Avoid prolonged breathing of vapor. Keep away from eyes. Avoid prolonged contact with skin. Do not smoke while using. Wash hands after use. Do not wear contact lenses.

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

VIII. FIRST AID MEASURES

Ingestion: Rinse mouth. Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.
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.

IX. SHIPPING INFORMATION

Canadian Transportation of Dangerous Goods

Proper Shipping Name: Not regulated
Hazard Class: None
UN/ID No: None

IATA (Air)

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

IMDG (Vessel)

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

X. PREPARATION INFORMATION

Estimated HMIS Classification: HEALTH 1, FLAMMABILITY 1, PHYSICAL HAZARD 0
HMIS is a registered trademark of the National Paint and Coatings Association

X. PREPARATION INFORMATION

Estimated NFPA Rating: HEALTH 1, FLAMMABILITY 1 , REACTIVITY 0
(NFPA is a registered trademark of the National Fire Protection Association)

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Revision Date: June 11, 2012

Revision Number: 3