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Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: 16BR BLACK SILICONE ADHESIVE SEALANT 3 OZ
Item No: 81158
Product Type: Silicone

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Weight Percent	ACGIH TLV:	OSHA PEL:
POLY (DIMETHYLSILOXANE), HYDROXY TERMINATED 70131-67-8	>60	Not Listed	Not Listed
AMORPHOUS SILICA 7631-86-9	5-15	10 mg/m ³ TWA	6 mg/m ³ TWA
DISTILLATES (PETROLEUM), HYDROTREATED MIDDLE 64742-46-7	<10	5 mg/m ³ TWA (oil mist)	5 mg/m ³ PEL (oil mist)
ETHYLTRIACETOXSILANE 17689-77-9	<5	Not Listed	Not Listed
METHYLTRIACETOXSILANE 4253-34-3	<5	Not Listed	Not Listed
POLYDIMETHYLSILOXANE 63148-62-9	<5	Not Listed	Not Listed
CARBON BLACK 1333-86-4	<2	3.5 mg/m ³ TWA	3.5 mg/m ³ TWA
TITANIUM DIOXIDE 13463-67-7	<2	10 mg/m ³ TWA ACGIH	15 mg/m ³ TWA (total dust)
IRON OXIDE 1309-37-1	0.5-1.0	5 mg/m ³ TWA (dust and fume, as Fe)	10 mg/m ³ TWA
ACETIC ACID 64-19-7	****	10 ppm TWA; 25 mg/m ³ TWA	10 ppm TWA; 25 mg/m ³ TWA

3. HAZARDS IDENTIFICATION

Toxicity: May cause eye and skin irritation. May irritate lips, gums, tongue, mouth, nose and throat. May irritate respiratory system upon frequent or prolonged use. ****When this product is exposed to moisture, acetic acid may be formed. Note: This product does not contain microcrystalline silica.

Primary Routes of Entry: Eye and skin contact, ingestion, inhalation

Signs and Symptoms of Exposure: Acetic acid produced during curing irritates eyes, nose and throat..

Ingredient	Weight Percent	NTP	ACGIH Carcinogens	IARC
AMORPHOUS SILICA 7631-86-9	5-15			Group 3 Monograph 68, 1997
CARBON BLACK 1333-86-4	<2		Group A4 - Not classifiable as a human carcinogen	Group 2B; Monograph 65, 1996
TITANIUM DIOXIDE 13463-67-7	<2	male rat-negative, female rat-negative, male mice-negative, female mice-negative	A4	Group 2B; Vol 93,2006; Vol 47,1989
IRON OXIDE 1309-37-1	0.5-1.0		A4 - Not Classifiable	Group 3, Supplement 7 1987; Monograph 1 1972

Medical Conditions Recognized as Being Aggravated by Exposure: Methyltriacetoxysilane: Eye, skin and pulmonary disorders.

4. FIRST AID MEASURES

Ingestion: Rinse mouth. If swallowed, DO NOT induce vomiting. Keep individual calm. Obtain medical attention.

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Inhalation: Move to fresh air in case of accidental inhalation of vapours. Obtain medical attention.
Skin Contact: Wipe off paste 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.

5. FIRE FIGHTING MEASURES

Flash Point (°F/C): More than 200 degrees F. Method: Tag Closed Cup
Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.
Special Fire-Fighting Procedures: Water spray may be ineffective on flames but should be used to keep fire-exposed containers cool.
Hazardous Products of Combustion: Oxides of carbon, Oxides of nitrogen, Oxides of sulfur, Metal oxide fumes, Silica fume, Formaldehyde
Unusual Fire/Explosion Hazards: None.
Lower Explosive Limit: Not determined
Upper Explosive Limit: Not determined

6. ACCIDENTAL RELEASE MEASURES

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.

7. HANDLING AND STORAGE

Storage: Store away from water or moisture. Keep away from oxidizers.
Handling: Avoid contact with skin and eyes. Do not wear contact lenses. Use only in a well ventilated area. Do not take internally.

8. EXPOSURE CONTROLS/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.
Respiratory Protection: Not required under normal use. An approved respirator (i.e. NIOSH, etc.) should be worn when exposures are expected to exceed the applicable limits.
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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Black paste
Odor: Acetic acid
Boiling Point: Not applicable, polymeric material
pH: Does not apply
Solubility in Water: Polymerized
Specific Gravity: 1.0
VOC Content(Wt.%): 3.0% by weight; 30 g/l
Vapor Pressure: Not determined
Vapor Density (Air=1): Not Determined
Evaporation Rate: Not Determined

10. STABILITY AND REACTIVITY

Chemical Stability: Stable at normal conditions
Hazardous Polymerization: Will not occur.
Incompatibilities: Polymerized by contact with moisture. Acetic acid liberated.
Conditions to Avoid: Exposure to moisture
Hazardous Products of Combustion: Oxides of carbon, Oxides of nitrogen, Oxides of sulfur, Metal oxide fumes, Silica fume, Formaldehyde

11. TOXICOLOGICAL INFORMATION

See Section 3

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal: Disposal should be made in accordance with federal, state and local regulations.

US EPA Waste Number: NH - Not a RCRA Hazardous Waste Material

14. TRANSPORTATION INFORMATION

DOT (49CFR 172)

Domestic Ground Transport

DOT Shipping Name: Unrestricted
Hazard Class: None
UN/ID Number: None
Marine Pollutant: None

IATA

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

IMDG

Proper Shipping: Unrestricted
Hazard Class: None
UN Number: None

15. REGULATORY INFORMATION

SARA 313 Chemicals: The following component(s) is listed as a SARA Section 313 Toxic Chemical.

NONE

CALIFORNIA PROP 65:

No California Prop 65 chemicals are known to be present at or above the No Significant Risk Level.

TSCA Inventory Status:

Listed on Inventory: YES All components of this product are listed (or exempt) on the EPA TSCA inventory.

16. OTHER INFORMATION

Estimated NFPA Rating: HEALTH 2, FLAMMABILITY 1, REACTIVITY 1

Estimated HMIS Classification: HEALTH 2, FLAMMABILILTY 1, PHYSICAL HAZARD 0

NFPA is a registered trademark of the National Fire Protection Assn.

HMIS is a registered trademark of the National Paint and Coatings Assn.

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Revision Date: 12/13/2006
Revision Number: 2

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