

MATERIAL SAFETY DATA SHEET Absolute Protective Coatings

Product Name: ET-4 FILLER

SECTION 1: IDENTIFICATION

MANUFACTURER: Absolute Protective Coatings
ADDRESS: 1265 N Hendrickson Dr Kalama WA 98625

PHONE: 1 (360)673-6404

CHEMICAL NAME: N/A
COMMON NAME: ET-4 Filler
CHEMICAL FAMILY: Silica, mainly in the form of quartz; SiO₂

H.M.I.S. RATING	
Health	1
Flammability	0
Reactivity	0

SECTION 2: HAZARDOUS CHEMICALS

CHEMICAL NAME/CAS #	%	APPLICABLE EXPOSURE LIMITS	
		PEL-WISHA/OSHA	TLV-ACGIH
Quartz / 14808-60-7	>90	10mg/m ³	0.1mg/m ³
			<i>(Exposure limits are for respirable fraction)</i>

SECTION 3: HEALTH HAZARDS

PRIMARY ENTRY ROUTES: Inhalation, Eye, and Ingestion.

ACUTE EFFECTS

Inhalation: Inhalation can result in shortness of breath, coughing, reduced pulmonary function. PROLONGED INHALATION OF RESPIRABLE SILICA WILL RESULT IN PERMANENT LUNG DAMAGE, SILICOSIS.

EYE: May cause irritation through mechanical abrasion.

SKIN: May cause slight irritation.

INGESTION: May cause gastrointestinal discomfort. Give one or two glasses of water. If discomfort persists, see a physician.

CARCINOGENICITY: NTP, IARC, does consider this product carcinogenic.

NTP: Respirable crystalline silica has been listed in the Sixth Annual Report on Carcinogens.

IARC: Monographs on the Evaluation of the Carcinogenic Risk of Chemical to Humans (vol. 68, 1997) concludes that there is sufficient evidence in humans for the carcinogenicity of inhaled crystalline silica in the forms of quartz and cristobalite (Group 1) in certain industrial circumstances, but that carcinogenicity may be dependent on inherent characteristics of the crystalline silica or on external factors affecting biological activity or distribution of its polymorphs.

SECTION 4: FIRST AID

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Inhalation: If overcome by high dust concentrations, remove to a ventilated area. Call physician if irritation persists.

Eye Contact: Flush eyes thoroughly for 15 minutes taking care to rinse under eyelids. Do not scrub. Abrasion may cause irritation. If discomfort continues, continue to wash with water. If irritation persists, consult a physician.

Skin Contact: Wash skin thoroughly with soap and water for at least 15 minutes. Consult a physician if irritation persists.

Ingestion: May cause gastrointestinal discomfort. Give one or two glasses of water. If discomfort persists, Call a physician. After first aid, get appropriate in-plant, paramedic, or community medical support.

SECTION 5: FIRE AND EXPLOSION DATA

Flash Point: not known

Flash Point Method: n/a

Burning Rate: Not determined.

Auto-ignition Temperature: Not determined.

Flammability Classification: Non-flammable.

Extinguishing Media: Foam, Water spray, carbon dioxide, steam, or other dry chemical.

Unusual Fire or Explosion Hazards: None known.

Unusual Fire-Fighting Instructions: None known

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill /Leak Procedures: Clean up using approved, dustless methods (water or vacuum) to minimize generation of respirable silica particles.

Waste Disposal: Dispose of in a facility approved for silica.

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

SECTION 7: HANDLING AND STORAGE

Handling Precautions: Avoid contact with eyes. Avoid generating dust. Use in a well ventilated area.

Storage Requirements: No special storage requirements. Train all exposed persons in all sections of this MSDS and the proper handling of silica before they work with this product.

SEE OSHA Hazard Communication Rule CFR 1910.1200, 1015.99, 1917.28 and 1928.21, state, local worker or community "Right to Know" laws and regulations. We recommend that smoking be prohibited in all areas where respirators must be used. Warn your employees (and your customer users in case of resale) by posting and other means of the hazard and OSHA precautions to be used. Provide training about the OSHA precautions.

SECTION 8: PERSONAL PROTECTION AND EXPOSURE CONTROLS

Engineering Controls:

Ventilation: Local Mechanical ventilation and local exhaust to reduce respirable silica to below safe levels.

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Administrative Controls:

Respiratory Protection: Use NIOSH approved equipment. Positive pressure supplied air-type recommended.

Protective Clothing/Equipment: Use rubber gloves. Wash thoroughly before eating, smoking, applying cosmetics, etc. Safety glasses with side shield, goggles and/or a face shield. If necessary, protective rubber apron, shoes, or boots, or TYVEC protective suit with hood.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

SECTION 9: TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Physical State: granular	Water Solubility: Insoluble
Appearance and Odor: white to tan, mild odor..	Other Solubilities: n/a
Odor Threshold: n/e	Boiling Point: 2230°C
Vapor Pressure: 10mm @ 1730°C	Melting Point: 1710°C
Vapor Density (Air=1): n/a	Viscosity: n/a
Formula Weight: n/a	Refractive Index: n/a
Density: n/a	Surface Tension: n/a
Specific Gravity: 2.65	Evaporation Rate: n/a

SECTION 10: STABILITY AND REACTIVITY

Stability: This product is stable at room temperature in closed containers under normal storage and handling conditions.

Polymerization: Hazardous polymerization cannot occur.

Chemical Incompatibilities: avoid ClF₃, MnF₃, OF₂.

Hazardous Decomposition Products: None known.

SECTION 11: TOXICOLOGICAL PROPERTIES

Low order of acute toxicity.

SECTION 12: ECOLOGICAL INFORMATION

Cleaned up material to be disposed of in a facility approved for silica.

SECTION 13: DISPOSAL INFORMATION

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Dispose of in a facility approved for silica according to Federal, State, and local regulations.

SECTION 14: TRANSPORT INFORMATION

DOT Transportation Data (49 CFR 172.101): This product is not classified as dangerous under the transport regulations for road, rail, sea, or air transport.

SECTION 15: REGULATORY INFORMATION

SARA Title 111: Not listed

D.O.T. : Not regulated

SECTION 16: OTHER INFORMATION

DISCLAIMER: The information contained herein is based on data believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable regarding all current regulations.