

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: **ESL-3, ESL-3 Ceramic**
FILLER CHEMICAL FAMILY: N/A

H.M.I.S. RATING	
Health	2
Flammability	0
Reactivity	1

SECTION 2: HAZARDOUS CHEMICALS

CHEMICAL NAME/CAS #	%	Lethal Dose	Lethal
Silica, crystalline, quartz / 14808-60-7	<35	N/A	N/A
Barium Sulphate / 7727-43-7	<35	N/A	N/A

SECTION 3: HEALTH HAZARDS

ROUTES OF EXPOSURE: Eye contact, inhalation

Acute Exposure: Low concentrations of silica dust may irritate the respiratory tract and eyes.

Chronic Exposure: Prolonged and repeated exposure to crystalline silica dust may cause silicosis and lung cancer.

Exposure Limits: ACGIH TLV free. Silica=0.1 ppm respirable dust
Teratogenicity: Not available
Irritancy of product: As noted above
Reproduction Toxicity: Not applicable
Sensitization: Does not meet criteria
Mutagenicity: Not applicable
Carcinogenicity: Free silica is a probable carcinogen, IAARC-2A list
Synergistic Products: Not available

SECTION 4: FIRST AID

Eyes: Flush with running water for at least 20 minutes, while holding eyelids open. Refer individual to physician if irritation persists.

Skin: Remove contaminated clothing. Wash affected areas thoroughly with soap and water. Wash contaminated clothing thoroughly before reuse. Get medical attention if irritation persists.

Inhalation: Remove to fresh air. Give artificial respiration as needed. Obtain medical attention.

Ingestion: Do not induce vomiting. Wash mouth out thoroughly with water. Give 3 or 4 glasses of water DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS OR CONVULSING PERSON. If aspiration to the lungs is suspected, obtain medical advice urgently. Consult a physician.

SECTION 5: FIRE AND EXPLOSION DATA

Flammable	No
Flash Point	Not applicable
Upper/lower flammability limit	Not available
Autoignition temperature	Not available
Hazardous combustion products	Sulphur dioxide gas
Sensitivity to static discharge	No
Explosion data, sensitivity to impact	No

Means of extinction: Use appropriate means to extinguish surrounding fire. Use water spray to cool containers.

Special Fire Fighting Procedures: Firefighters must wear self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedure: Secure the spill area. Use all applicable personal protective equipment. Minimize generation of airborne dust during handling.

SECTION 7: HANDLING AND STORAGE

Handling and Storage Procedures: Store in a cool, dry place away from direct sunlight. Do not store near foodstuffs. Keep containers tightly closed when not in use. Minimize generation of airborne dust during handling.

SECTION 8: PERSONAL PROTECTION AND EXPOSURE CONTROLS

Skin Protection Requirements: Gloves not normally needed. Coveralls recommended. Footwear as required on job site.

Eye Protection: Safety goggles strongly recommended.

Respirator Requirements: NIOSH recommends, at any detectable level of crystalline silica in air, a positive pressure full face-piece self-contained breathing apparatus.

Additional Protective Measures: Safety showers and eyewash stations should be available.

Engineering Controls (specify ventilation, enclosed process): Use a combination of general dilution ventilation and local exhaust ventilation to control exposure.

SECTION 9: TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Physical Form	OFF
Color	White

Material Safety Data Sheet

Product Name: ESL-3, ESL-3 Ceramic

Absolute Protective Coatings

Odor	None
Appearance	Powder
Vapor Pressure	Not applicable
Vapor Density (Air=1)	Not applicable
Odor Threshold	Not applicable
Evaporation Rate (n-Butyl acetate=1)	Not applicable
Boiling Point	2200°C
Freezing Point	1500°C
pH	Not applicable
Specific Gravity (water=1)	2.48
Solubility in Water	Insoluble in water

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under normal conditions

Incompatibilities (Materials to avoid): Incompatible with hydrofluoric acid, silica may react violently.

Reactivity: Not reactive under normal conditions.

Hazardous Decomposition Products (by high heat and fire): None known.

SECTION 11: TOXICOLOGICAL PROPERTIES

N/A

SECTION 12: ECOLOGICAL INFORMATION

N/A

SECTION 13: DISPOSAL INFORMATION

Waste Removal: Follow all national, state and local regulations for non-hazardous waste management.

SECTION 14: TRANSPORT INFORMATION

Not "Dangerous Goods" under TDGR

SECTION 15: REGULATORY INFORMATION

N/A

SECTION 16: OTHER INFORMATION

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