

## SECTION 1: IDENTIFICATION

- (a) Product Identifier: **ALPOLIC<sup>®</sup>/PE**
- (b) Other means of Identification: None
- (c) Recommended Use: Composite Building Material
- (d) Manufacturer/Importer/Distributor: Mitsubishi Chemical Composites America, Inc.  
401 Volvo Parkway, Chesapeake, VA 23320  
757-382-5750
- (e) Emergency Phone Number: Chemtrec 1-800-424-9300

## SECTION 2: HAZARD(S) IDENTIFICATION

- (a) Chemical Classification: Not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200.
- (b) Signal Word: Not applicable
- Hazard Statement(s): Not applicable
- Symbol(s): Not applicable
- Precautionary Statement(s): Not applicable
- (c) Hazards Not Otherwise Classified: None Known
- (d) Supplemental Information: None

*NOTE: This product is an "article" according to 29 CFR 1910.1200.*

*"Article means a manufactured item other than a fluid or particle, which is formed to a specific shape or design during manufacture which has end use function dependent in whole or in part upon its shape or design during end use, and which under normal conditions does not release more than very small quantities or trace amounts of a hazardous chemical, and does not pose a physical hazard or health risk to employees."*

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS Number	Percent
Aluminum	7429-90-5	59%
Polyethylene	9002-88-4	40%
Flouropolymer Coating	Trade Secret	1%

**\*Concentration of ingredients varies depending upon the thickness of the material.**

## SECTION 4: FIRST-AID MEASURES

- (a) Eye contact: Dust from processing. Rinse eyes with water or saline for at least 15 minutes. Consult a physician.

Skin Contact	Dust from processing. Wash with soap and water for at least 15 minutes. Get medical attention if irritation develops or persists.
Inhalation	Dust from processing. Move to fresh air. Consult a physician.
Ingestion	Not likely due to form of product.
(b) Most important Symptoms/Effects	Dust and fumes from processing can be irritating to eyes, respiratory system and skin. Heating above melting point may cause metal fume fever by inhalation.
(c) Medical conditions aggravated by exposure	Asthma, Chronic lung disease. Accumulation of dust in the respiratory system may cause moderate congestion.
(d) Indication if immediate medical attention and special treatment	No data available.

## SECTION 5: FIRE-FIGHTING MEASURES

(a) Suitable extinguishing media	Use Class D extinguishing agents on fines or molten metal.
Unsuitable extinguishing media	Do not use halogenated extinguishing agents on small chips/fine dusts.
(b) Specific hazards	Do not use water in fighting fires around molten metal. Combustion products include carbon monoxide, carbon dioxide, nitrogen oxide, and smoke. Under certain conditions some aliphatic aldehydes and carboxylic acids may form.
(c) Special PPE and precautions for fire fighters	Fire fighters should wear NIOSH approved, positive pressure, self-contained breathing apparatus and full protective clothing when appropriate.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

(a) Personal precautions, PPE, and emergency procedures	Avoid contact with sharp edges or heated metal. Use PPE recommended in Section 8.
(b) Methods and materials for containment and cleaning up	Should a release of dust occur, contain by blocking routes to surface water and grassy areas. Clean up by sweeping and depositing in a closed container.

## SECTION 7: HANDLING AND STORAGE

(a) Precautions for safe handling	Avoid generating dust. Avoid contact with sharp edges or heated metal.
(b) Conditions for safe storage	No special storage precautions noted.

## SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

### (a) Occupational Exposure Limits

Component	OSHA Permissible Exposure Limits (PEL)		ACGIH (TLV)
	Total	Respirable	Respirable Fraction
Polyethylene	10 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	N/A
Aluminum	15 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>

(b) Appropriate Engineering Controls	If dust is generated through processing, use with adequate ventilation designed to handle particulates to meet the occupational exposure limits listed in Section 8(a).
(c) Individual protective measures, PPE	
Eye/Face Protection	Safety glasses with side shields or goggles recommended.
Skin Protection	Avoid contact with sharp edges. Cut resistant gloves recommended.
Respiratory Protection	Dust from processing. Use NIOSH approved respiratory protection if concentrations exceed the occupational exposure limits listed in Section 8(a).
Thermal Hazards	When material is heated, wear gloves to protect against thermal burns.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

(a) Appearance	Solid panel, Various Colors
(b) Odor	Odorless
(c) Odor Threshold	Not applicable
(d) pH	Not applicable
(e) Melting Point/Freezing Point	1149-1220 °F Aluminum/ 219-239 °F Polyethylene
(f) Initial Boiling Point and Boiling Range	Not determined
(g) Flash Point	716 °F
(h) Evaporation Rate	Not applicable
(i) Flammability (solid, gas)	Not applicable
(j) Upper/Lower Flammability	Not applicable
Explosive Limits	Dust clouds may be explosive under certain conditions
(k) Vapor Pressure	Not applicable
(l) Vapor Density	Not applicable
(m) Density (specific gravity)	1.23 – 1.52
(n) Solubility	Insoluble
(o) Partition Coefficient	Not applicable
(p) Auto Ignition Temperature	752 °F
(q) Decomposition Temperature	Not determined
(r) Viscosity	Not applicable

## SECTION 10: STABILITY AND REACTIVITY

(a) Reactivity	The product is stable and non-reactive under normal conditions of use, storage, and transport.
(b) Chemical Stability	Stable under normal conditions of use, storage, and transport.
(c) Possibility of hazardous reactions	Hazardous polymerization does not occur.
(d) Conditions to avoid	None
(e) Incompatible materials	Not applicable

- (f) Hazardous decomposition products      Carbon monoxide, carbon dioxide, nitrogen oxide, and smoke.  
Under certain conditions some aliphatic aldehydes and  
carboxylic acids may form.

## SECTION 11: TOXICOLOGICAL INFORMATION

- (a) Acute toxicity      Not classified.  
(b) Skin corrosion/irritation      Not corrosive.  
(c) Serious eye damage/irritation      Dust from processing may cause eye irritation.  
(d) Respiratory or skin sensitization      Dust and fumes from processing may cause respiratory  
irritation. Not a skin sensitizer.  
(e) Germ cell mutagenicity      Not classified.  
(f) Carcinogenicity      Not classified.  
(g) Reproductive toxicity      Not classified.  
(h) STOT-single exposure      Not classified.  
(i) STOT-repeated exposure      Not classified.  
(j) Aspiration hazard      Not an aspiration hazard.  
(k) Chronic effects      Dust and fumes from processing may cause scarring of the  
lungs, central nervous system damage.

## SECTION 12: ECOLOGICAL INFORMATION

- (a) Ecotoxicity      No toxic effects to ecosystems.  
(b) Persistence and degradability      No information available.  
(c) Bioaccumulative potential      No information available.  
(d) Mobility in soil      No information available.  
(e) Other adverse effects      None known

## SECTION 13: DISPOSAL CONSIDERATIONS

- Disposal Instructions      Reuse or recycle material whenever possible. If reuse or  
recycling is not possible, dispose in accordance with  
federal, state, and/or local regulations.

## SECTION 14: TRANSPORT INFORMATION

- (a) UN Number      Not applicable  
(b) UN proper shipping name      Not Regulated  
(c) Transport Hazard Class(es)      Not Applicable  
(d) Packing Group      Not Applicable  
(e) Environmental Hazards      Not Applicable  
(f) Transport in Bulk      Not Applicable  
(g) Special Precautions      Not Applicable

## SECTION 15: REGULATORY INFORMATION

OSHA: This product is not classified as hazardous under the criteria set forth by 29 CFR 1910.1200, Hazard Communication.

Federal and State Regulations: There is no classification data available on carcinogenic properties of this material from EPA, IARC, NTP, OSHA, or ACGIH.

California Proposition 65: WARNING – This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Components of this product are subject to the following regulatory requirements and/or appear on the following associated chemical inventory list(s): Toxic Substance Control Act (TSCA), European Inventory of Existing Commercial Substances (EINECS), Australian Inventory of Chemical Substances (AICS), Domestic Substances List (DSL), Korea Existing Chemicals List (KECL), Phillipines Chemical Inventory (PICCS).

## SECTION 16: OTHER INFORMATION

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**<<<< END OF SDS >>>>**