CRANE Composites

A Crane Co. Company

2699

Revision 2 • 5/06

MSDS: Material Safety Data Sheet

PRODUCT IDENTIFICATION

Trade Name and Synonyms	WeatherTuf®
Chemical Name and Synonyms	Rigid Polyvinyl Chloride sheets
Chemical Family	Polyvinyl Chloride
DOT Hazard Classification	Not applicable

COMPOSITION/INFORMATION ON INGREDIENTS

Tin stabilized PVC sheets, 2.5% by weight tin-maleate or tin-mercaptide based stabilizer. Pigments and additives used to enhance specific properties are encapsulated in the polymer resin matrix. No solvents. No plasticizers. No cadmium, lead, or other heavy metals used.

HAZARDS IDENTIFICATION

Threshold Limit Value (TLV)	
Primary Route of Entry	Skin contact with dust.
Effects of Overexposure	None currently known.

PHYSICAL DATA

Boiling Point	Not applicable
Vapor Pressure	
Vapor Density	1.35-1.45 gr/cm^3
Specific Gravity (water=1)	
% Volatile (by volume)	Not applicable
Solubility in Water	<0.1g/100mL at 23°C
Appearance and Odor	Flat or corrugated solid plastic sheets; clear or colored. No odor.

FIRST AID MEASURES

Inhalation of Dust	Not applicable. If exposed to combustion fumes in high concentration, bring victim to fresh air and get medical help.
Prolonged Skin Contact	Burns resulting from accidental contact with molten material must be flushed immediately with cold water. Do not remove the polymer from the skin. Get medical attention.
Eye Contact	Like any foreign body, can cause mechanical irritation. Get medical attention.
Ingestion of Dust	Not applicable

FIRE AND EXPLOSION DATA

Flash Point	391°C ASTM D 1929
Ignition Temperature	454°C ASTM D 1921
Extinguishing Media	Water spray or CO_2. CO_2 is less recommended due to lack of cooling capacity.
Fire Fighting Procedures	Personnel without suitable respiratory apparatus should leave the affected area to prevent exposure to toxic or combustible gases.
Unusual Fire or Explosion Hazards	PVC is a self extinguishing fire retardant material, that being exposed to open fire and high temperatures decomposes, emitting large quantities of HCl, with tend to extinguish the flames. It does not continue to burn after ignition without an external fire source.

REACTIVITY DATA

Stability and Incompatibility Stable. Oxidizing agents or strong mineral acids can cause reaction.

Hazardous Decomposition Products Burning can produce the following combustion products:
Carbon monoxide (CO)–is highly toxic if inhaled
Carbon dioxide (CO_2)–in sufficient concentrations can act as an asphyxian
Hydrogen chloride (HCl)–in high concentrations can cause irritation of the respiratory passages; at very high concentrations may cause burns to the mucous membranes.

ENVIRONMENTAL INFORMATION

Handling and Storing Precautions Avoid mechanical contact with eyes. Store in a cool shady area. No special technical protective measures required.

Miscellaneous Do not eat or drink in fabrication areas.

Spill or Leak Procedures No special precautions and no personal protective equipment needed. Collect mechanically for disposal.

Waste Disposal The product is not considered hazardous under current EPA hazardous waste regulations. Recycling is the preferred method of disposal. Alternatively, the product may be disposed of in an approved landfill. High temperature incineration under controlled conditions due to formation of HCl. All wastes should be evaluated in conjunction with applicable solid and hazardous waste regulations, Toxicity Characteristic Leaching Procedures (TCLP), and disposed of as appropriate. This product does not contain cadmium or other heavy metal pigments or stabilizers. Dispose of all waste in accordance with all national and local regulations at properly permitted or authorized facilities.

PERSONAL PROTECTION INFORMATION

Respiratory Protection No special protection needed.

Eye Protection No special protection needed.

Skin Protection No special protection needed.

Other Protective Equipment No special protection needed.

The above is accurate to the best of our knowledge. However, since data, safety standards and government regulations are subject to change, and the conditions for use or misuse are beyond our control, CRANE COMPOSITES MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, ABOUT THE COMPLETENESS OR CONTINUING ACCURACY OF THE INFORMATION CONTAINED HEREIN, AND DISCLAIMS ALL LIABILITY FOR RELIANCE THEREON. User should be satisfied that he/she has all current data relevant to his/her particular use.

APPROVED BY _____

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