

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 (760 Hg))	Not applicable
Vapor Pressure	
Vapor Density (air=1)	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 (CO₂)—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.

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