



## MATERIAL SAFETY DATA SHEET

Product Designation: Polyvinyl Chloride (PVC)

### Section 1- PRODUCT IDENTIFICATION

|                            |  |
|----------------------------|--|
| <b>MANUFACTURING SITE:</b> | Vycom  |
| <b>ADDRESS:</b>            | 801 Corey Street, Scranton PA 18505                    |
| <b>TRADE NAME:</b>         | Polyvinyl Chloride (PVC, Vintec I, Vintec II, Celtec.) |
| <b>SYNONYMS:</b>           | Vinyl Polymers   |
| <b>CAS NUMBER(S):</b>      | 9002-86-2  |
| <b>TELEPHONE NO.:</b>      | 1.800.235.8320   |
| <b>FAX NO.:</b>            | 1.800.858.9266   |
| <b>WEBSITE:</b>            | www.vycomplastics.com                                  |

### Section 2- COMPONENTS AND HAZARD CLASSIFICATION

|                                 |          |   |
|---------------------------------|----------|---|
| <b>PVC Polymer:</b>             | 70 - 95% |   |
| <b>Inert Fillers:</b>           | 0 - 30%  | CaCO <sub>3</sub> , TiO <sub>2</sub>                                    |
| <b>Heat Stabilizer:</b>         | 0 - 2%   | Organotin Compounds   |
| <b>Lubricants:</b>              | 0 - 4%   | Calcium Stearate; Parafin, Polyethylene, Polyamide compounds, or Esters |
| <b>Process Aids:</b>            | 0 - 2%   | Acrylic compounds   |
| <b>Impact Modifiers:</b>        | 0 - 10%  | CPE, ABS, MBS or Acrylic Compounds                                      |
| <b>Colorants:</b>               | 0 - 2%   | Organic and Inorganic   |
| <b>Chemical Blowing Agents:</b> | 0 - 1%   | Azo Compounds or Sodium Bicarbonate                                     |

*This product is an article as defined in 29 CFR 1910.1200. It will not result in exposure to hazardous chemicals under normal conditions of use. This product is not subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.*

### Section 3 - PHYSICAL DATA

|   |                           |
|---|---------------------------|
| <b>BOILING POINT (°F):</b>                  | Solid                     |
| <b>SPECIFIC GRAVITY (H<sub>2</sub>O=1):</b> | 0.45 - 1.4                |
| <b>VAPOR PRESSURE (mm Hg.):</b>             | Solid                     |
| <b>MELTING POINT:</b>                       | Decomposes before melting |
| <b>SOLUBILITY IN WATER:</b>                 | Solid                     |
| <b>VAPOR DENSITY:</b>                       | Solid                     |
| <b>APPEARANCE AND ODOR:</b>                 | Finished Sheet.           |

## Section 4 - FIRE AND EXPLOSION DATA

|                                    |  |
|------------------------------------|--|
| FLASH POINT (TEST METHOD):         | Not applicable   |
| AUTOIGNITION TEMPERATURE:          | Not applicable   |
| FLAMMABLE LIMITS IN AIR. % BY VOL. |  |
| LOWER:                             | Not applicable   |
| UPPER:                             | Not applicable   |
| EXTINGUISHING MEDIA:               | Water spray(fog), foam, dry chemical, or CO2   |
| SPECIAL FIRE FIGHTING PROCEDURES:  | Cool exposed equipment with water spray. Use self-contained breathing apparatus if fighting fire in confined spaces.                                   |
| UNUSUAL FIRE AND EXPLOSION HAZARD: | PVC evolves hydrogen chloride, carbon monoxide, and other toxic gases when burned. Exposure to combustion products may be fatal and should be avoided. |

## Section 5 - HEALTH HAZARD INFORMATION

*\*\*Pertains to dust or chips as a by-product of fabricating finished sheet\*\**

### FIRST AID

|             |   |
|-------------|---|
| EYES:       | Immediately flush with plenty of water. Call a physician if irritation persists.  |
| SKIN:       | Flush skin with plenty of water. Remove contaminated clothing. Call a physician if irritation persists. Wash clothing before reuse. |
| INHALATION: | Remove to fresh air.  |
| INGESTION:  | Seek medical aid.   |

### NATURE OF HAZARD

|             |  |
|-------------|--|
| EYES:       | If exposed to high concentrations of dust, physical irritation of the eyes.  |
| SKIN:       | This material is not expected to present a hazard to the intact skin. Molten sheet will produce thermal burns.                       |
| INHALATION: | Under normal conditions and with normal use, no inhalation hazard is presented. Please refer to Section IV, Fire and Explosion Data. |
| INGESTION:  | No significant health hazard can be reasonably anticipated.  |

### EXPOSURE LIMITS:

None established. ACGIH TLV of 10 mg/m<sup>3</sup> total dust as an 8-hour TWA is recommended.

### TOXICITY DATA

|               |  |
|---------------|--|
| SKIN CONTACT: | A review of the pertinent literature did not reveal specific information for PVC.                                      |
| EYE CONTACT:  | A review of the pertinent literature did not reveal specific information for PVC.                                      |
| INHALATION:   | Rodents exposed by the dietary or inhalation route for 6 to 24 months have shown no significant toxicological effects. |
| INGESTION:    | See above.   |

**SPECIAL PRECAUTIONS:** AVOID INHALATION OF COMBUSTION PRODUCTS.

## Section 6 - REACTIVITY DATA

|  |  |
|--|--|
| CONDITIONS CONTRIBUTING TO INSTABILITY:              | Not applicable   |
| INCOMPATIBILITY:                                     | Not applicable   |
| HAZARDOUS DECOMPOSITION PRODUCTS:                    | Hydrogen chloride and other toxic fumes generated with combustion. |
| CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION: | Not applicable   |

## Section 7 - SPILL OR LEAK PROCEDURES

When producing chips or dust from fabricating PVC sheet, sweep, scoop, or vacuum and remove. Dispose of only in accordance with local, state, and federal regulations.

## **Section 8 - SPECIAL PROTECTION INFORMATION**

*\*\*Pertains to dust or chips as a by-product of fabricating finished sheet\*\**

**VENTILATION RECOMMENDATIONS:** General ventilation when fabricating and nuisance dust control.

### **SPECIFIC PERSONAL PROTECTIVE EQUIPMENT**

**RESPIRATORY PROTECTION:** If dust is produced during handling, an approved particulate filter respirator should be used.

**EYES:** Safety glasses or goggles.

**GLOVES:** Necessary when handling hot or molten sheet.

**OTHER CLOTHING AND EQUIPMENT:** As necessary when handling hot or molten sheet.

## **Section 9 - SHIPPING, TRANSFER AND STORAGE**

**SHIPPING INFORMATION:** Non-hazardous for transportation purposes.

### **TRANSPORTATION AND STORAGE**

**USUAL SHIPPING CONTAINERS:** Palletized sheets

**STORAGE TRANSPORT:** Sustained Temperatures above 150°F may cause slow degradation.

**ELECTROSTATIC ACCUMULATION**

**HAZARD:** Yes

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