

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

**Identity:** **PROTO-JAC PIPE AND EQUIPMENT JACKETING**  
(As Used on Label and List)

**Section I**

**Manufacturer's Name:** PROTO CORP.  
Address: 10500 47th Street North, Clearwater, Florida 33762  
Emergency Telephone Number: (727) 573-4665  
Telephone Number for Information: (727) 573-4665  
Date Prepared: April 6, 2004

**Section II**  
**Hazardous**  
**Ingredients/**  
**Identity**  
**Information**

**Hazardous Components (Specific Chemical Identity; Common Name(s))**  
**OSHA PEL ACGIH TLV Other Limits Recommended % (Optional):**  
PVC Insulation Jacketing - Rigid PVC (Homopolymer) Compound  
Poly (Vinyl Chloride), PVC, Vinyl  
**Formula:** Vinyl Resin\* plus functional additives \*(CH<sub>2</sub>CH CL)<sub>n</sub>  
**CAS Registry Number:** N.A. to compounds  
(Product manufactured with Homopolymer Polyvinyl Chloride Resin CAS Registry #9002-86-2)  
Formula additives are bound within polymer matrix, similar to rigid PVC water pipe and PVC home siding and are not expected to create any hazard when handled or applied.

**Section III**  
**Physical/**  
**Chemical**  
**Characteristics**

<b>Boiling Point:</b> N.A.	<b>Vapor Density (AIR = 1):</b> N.A.
<b>Specific Gravity:</b> (H <sub>2</sub> O = 1) 1.3-1.5	<b>Evaporation Rate (Butyl Acetate = 1):</b> N.A.
<b>Vapor Pressure:</b> (mm Hg.): N.A.	<b>Solubility in Water:</b> None
<b>Melting Point:</b> N.A.	<b>Appearance &amp; Odor:</b> Smooth, Hard, No Appreciable Odor

**Section IV**  
**Fire and**  
**Explosion**  
**Hazard Data**

**Flash Point (Method Used):** 753°F ASTM D 1929  
**Flammable Limits:** N.A.  
**LEL:** N.A. **UEL:** N.A.  
**Extinguishing Media:** Water, Carbon Dioxide or Foam

**Special Fire Fighting Procedures:** Use self-contained breathing apparatus approved for acid vapors. In extreme emergencies where escape is essential, breathe and look through wet cloth covering face, in order to allow the water soaked cloth to absorb HCL generated from PVC burning and decomposing.

**Unusual Fire and Explosion Hazards:** No explosion hazards exist. HCl liberated during burning sulfuses into the environment as it is generated. Heavy dilution with water is recommended.

## Section V Reactivity Data

**Stability:** Stable

**Conditions to Avoid:** Temperatures above 450°F

**Incompatibility (Materials to Avoid):** None

**Hazardous Decomposition or Byproducts:** Slow release of HCl when heated above 450°F

**Hazardous Polymerization:** Will Not Occur

**Conditions to Avoid:** Overheating

## Section VI Health Hazard Data

**Route(s) of Entry:** Inhalation - N.A. Skin - N.A. Ingestion - N.A.

**Health Hazards (Acute and Chronic):** Under designed use conditions; none. There are no acute or chronic health hazards associated with the use of our product. Fire will lead to decomposition with the release of HCl.

**Carcinogenicity:** No IARC Monographs – No  
NTP – No OSHA Regulated – No

**Signs and Symptoms of Exposure:** HCl liberated during burning will cause irritation of the eyes, skin and/or respiratory tract. Under designed use conditions PVC is stable.

**Medical Conditions Generally Aggravated by Exposure:** Under designed use conditions, none. Under fire conditions, eye or respiratory medical condition can be aggravated by exposure to HCl.

**Emergency and First Aid Procedures:** Upon HCl exposure, irrigate eyes and skin with cool water for at least 15 minutes. Remove to fresh air immediately — get medical attention if necessary.

## Section VII Precautions for Safe Handling and Use

**Steps To Be Taken in Case Material is Released or Spilled:** Good housekeeping cleanup of PVC parts and discard in proper disposal units going to landfill areas or high temperature controlled incinerators, to protect from HCl fumes generated from burning PVC.

**Waste Disposal Method:** SEE ABOVE

**Precautions to Be Taken in Handling and Storing:** Do not store near flammable liquids or any area that could exceed 450°F, to prevent formation of HCl.

**Other Precautions:** None other than good work practices, gloves to prevent cuts, safety goggles, etc.

## Section VIII Control Measures

**Respiratory Protection (Specify Type):** SEE ABOVE — ALSO — Self-contained air packs in fire fighting conditions or where fumes are present.

**Ventilation:** Local Exhaust - N.A.  
Special - N.A.  
Mechanical (General) - N.A.  
Other - N.A.

**Protective Gloves:** SEE ABOVE

**Eye Protection:** SEE ABOVE

**Other Protective Clothing or Equipment:** No normal hazard — SEE ABOVE — Normally not necessary. Workers discretion.

**Work/Hygienic Practices:** SEE ABOVE

N.A. = Not Applicable