Material Safety Data Sheet

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

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

000785

IDENTITY (As Used on Label and List)	Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.
PVC FITTING COVERS	

Section I

Manufacturer's Name	Emergency Telephone Number
PROTO CORP.	(813) 384-5860
Address (Number, Street, City, State, and ZIP Code)	**Telephone Number for Information**
10500 47th St. North	(813) 573-4665
CLEARWATER, FLORIDA 34622	**Date Prepared** 3-24-88
	Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s)) OSHA PEL N.A. ACGIH TLV N.A. Other Limits Recommended N.A. % (optional)

PVC FITTING COVERS, RIGID HOMOPOLYMER COMPOUND

POLY (VINYL CHLORIDE), PVC, VINYL

FORMULA: VINYL RESIN* PLUS FUNCTIONAL ADDITIVES *$(CH_2CH\ Cl)_n$

CAS REGISTRY NUMBER: N.A. TO COMPOUND OR FORMED PVC COVERS

(PRODUCT MANUFACTURED WITH HOMOPOLYMER POLYVINYL CHLORIDE RESIN CAS REGISTRY #9002-86-2)

FORMULA ADDITIVES ARE BOUND UP IN THE MANUFACTURING PROCESS AND ARE NOT EXPECTED TO CREATE ANY HAZARD WHEN HANDLED OR APPLIED.

Section III — Physical/Chemical Characteristics

Boiling Point	N.A.	Specific Gravity (H_2O = 1)	1.1 - 1.5
Vapor Pressure (mm Hg.)	N.A.	Melting Point	N.A.
Vapor Density (AIR = 1)	N.A.	Evaporation Rate (Butyl Acetate = 1)	N.A.

Solubility in Water: NONE

Appearance and Odor: SMOOTH, HARD, NO APPRECIABLE ODOR

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
753° F ASTM D 1929		N.A.	N.A.

Extinguishing Media: WATER, CARBON DIOXIDE, OR FOAM

Special Fire Fighting Procedures:
USE SELF CONTAINED BREATHING APPARATUS APPROVED FOR ACID VAPORS. IN EXTREEM EMERGENCIES WHERE ESCAPE IS ESSENTIAL, BREATH 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:
WILL NOT BURN WITHOUT EXTERNAL FIRE SOURCE. BURNING OR TEMPERATURES AT OR ABOVE ABOUT 450°F. LIBERATES HYDROGEN CHLORIDE GAS, THAT IS ATTRACTED TO WATER, AND BECOMES MURIATIC

V — Reactivity Data

	Unstable	--	Conditions to Avoid TEMPERATURES ABOVE 450°F
	Stable	X	

Incompatibility (*Materials to Avoid*) ANY MATERIAL OVER 400°F

Hazardous Decomposition or Byproducts
SLOW RELEASE OF HCL WHEN HEATED ABOVE 400°F to 450°F.

Hazardous Polymerization	May Occur	--	Conditions to Avoid OVERHEATING
	Will Not Occur	X	

Section VI — Health Hazard Data

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

Health Hazards (*Acute and Chronic*) PHYSICAL STATE OF THIS PVC PRODUCT SHOULD PREVENT ANY SIGNIFICANT ORAL, OR DERMAL EXPOSURE. PRACTICALLY NON TOXIC BY ORAL INGESTION. ABNORMAL OVERHEATING MAY LEAD TO DECOMPOSITION WITH THE RELEASE OF HCL.IT IS PRACTICALLY INERT AT NORMAL TEMPERATURES.

Carcinogenicity: NTP? NO IARC Monographs? NO OSHA Regulated? NO

NO

Signs and Symptoms of Exposure RELEASED HCL CAUSES IRRITATION OF THE EYES, SKIN AND/OR RESPIRATORY TRACT UPON BURNING OR OVERHEATING OF PVC. UNDER NORMAL CONDITIONS PVC IS PRACTICALLY INERT.

Medical Conditions Generally Aggravated by Exposure UNDER NORMAL CONDITIONS, PRACTICALLY NONE. UNDER ADVERSE CONDITIONS ANY EYE OR RESPIRATORY MEDICAL CONDITION-CAN OR WILL BE-AGGRAVETED BY EXPOSURE TO HCL FUMES.

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 400°F, TO PREVENT FORMATION OF HCL.

Other Precautions NONE OTHER THAN GOOD WORK PRACTICES, APPROVED NIOSH RESPIRATORS, 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

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: