

IPS  
WELD-ON

# MATERIAL SAFETY DATA SHEET

Date Revised: JAN 1995  
Supersedes: JAN 1994

Information on this form is furnished solely for the purpose of compliance with the Occupational Safety and Health Act and shall not be used for any other purpose. IPS Corporation urges the customers receiving this Material Safety Data Sheet to study it carefully to become aware of the hazards, if any, of the product involved. In the interest of safety, you should notify your employees, agents and contractors of the information on this sheet.

## SECTION I

### MANUFACTURER'S NAME

IPS Corporation  
ADDRESS  
17109 S. Main St., P.O. Box 379, Gardena, CA. 90248

### Transportation Emergencies:

CHEMTREC: (800) 424-9300  
Medical Emergencies: (213) 222-3212  
(L.A. Poison Center 24 Hour No.)  
Business: (310) 366-3300

### CHEMICAL NAME and FAMILY

Solvent Cement for PVC Plastic Pipe  
Mixture of PVC Resin and Organic Solvents

### TRADE NAME:

WELD-ON 705 For PVC Plastic Pipe

FORMULA: Proprietary

## SECTION II - HAZARDOUS INGREDIENTS

None of the ingredients below are listed as carcinogens by IARC, NTP or OSHA

	CAS#	APPROX %	ACGIH-TLV	ACGIH-STEL	OSHA-PEL	OSHA-STEL
Polyvinyl Chloride Resin (PVC)	NON/HAZ		N/A		N/A	
Tetrahydrofuran (THF)	109-69-9	30-45	200 PPM	250 PPM	200 PPM	250 PPM
Methyl Ethyl Ketone (MEK)	78-93-3	36*	200 PPM	300 PPM	200 PPM	300 PPM
Cyclohexanone	108-94-1	5-10	25 PPM Skin		25 PPM Skin	

\* Title III Section 313 Supplier Notification: This product contains toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40CFR372. This information must be included in all MSDS's that are copied and distributed for this material.

### SHIPPING INFORMATION FOR GALLON CONTAINERS OR ABOVE

DOT Shipping Name: Adhesive  
DOT Hazard Class: 3  
Identification Number: UN 1133  
Packaging Group: II  
Label Required: Flammable Liquid

### SPECIAL HAZARD DESIGNATIONS

	HMS	NFPA	HAZARD RATING
HEALTH:	2	2	0 - MINIMAL
FLAMMABILITY:	3	3	1 - SLIGHT
REACTIVITY:	0	1	2 - MODERATE
PROTECTIVE EQUIPMENT:	H		3 - SERIOUS
			4 - SEVERE

### SHIPPING INFORMATION FOR CONTAINERS LESS THAN ONE GALLON

DOT Shipping Name: Consumer Commodity  
DOT Hazard Class: ORM-D

## SECTION III - PHYSICAL DATA

APPEARANCE Gray or Clear, medium syrupy liquid	ODOR Ethereal	BOILING POINT (°F/C) 151°F Based on first boiling component: THF
SPECIFIC GRAVITY @ 73 ± 2°F Typical 0.920 ± 0.040	VAPOR PRESSURE (mm Hg.) 143 mm Hg. based on first boiling component, THF @ 20°C	PERCENT VOLATILE BY VOLUME (%) Approx 90 - 90 %
VAPOR DENSITY (Air = 1) 2.49	EVAPORATION RATE (BUAC = 1) > 1.0	SOLUBILITY IN WATER Solvent portion completely soluble in water. Resin portion separates out.

VOC STATEMENT: VOC as manufactured: 760 Grams/Liter. Maximum VOC emission per SCAQMD Rule 1168, Test Method 316A: 550 Grams/Liter.

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT 6°F T.O.C. Based on THF	FLAMMABLE LIMITS (PERCENT BY VOLUME)	LEL 2.0	UEL 11.6
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### FIRE EXTINGUISHING MEDIA

Ansul "Purple K" potassium bicarbonate dry chemical, carbon dioxide, National Aer-O-Foam universal alcohol resistant foam, water spray.

### SPECIAL FIRE FIGHTING PROCEDURES

Evacuate enclosed areas, stay upwind. Close or confined quarters require self-contained breathing apparatus, positive pressure hose masks or airline masks. Use water spray to cool containers, to flush spills from source of ignition and to disperse vapors.

### UNUSUAL FIRE AND EXPLOSION HAZARDS

Fire hazard because of low flash point and high volatility. Vapors are heavier than air and may travel to source of ignition.

## SECTION V - HEALTH HAZARD DATA

**PRIMARY ROUTES**

OF ENTRY:

Inhalation     Skin Contact     Eye Contact     Ingestion

**EFFECT OF OVEREXPOSURE**

**NOTE:** Inhalation: Severe overexposure may result in nausea, dizziness, headache. Can cause drowsiness, irritation of eyes and nasal passages.  
Contact: Skin irritant. Liquid contact may remove natural skin oils resulting in skin irritation. Dermatitis may occur with prolonged contact.  
Absorption: Prolonged or widespread exposure may result in the absorption of harmful amounts of material.  
Eye Contact: Overexposure may result in severe eye injury with corneal or conjunctival inflammation on contact with the liquid. Vapors slightly uncomfortable.  
Ingestion: Moderately toxic. May cause nausea, vomiting, diarrhea. May cause mental sluggishness.  
**CHRONIC:** Symptoms of respiratory tract irritation and damage to respiratory epithelium were reported in rats exposed to 5000 ppm THF for 90 days. Elevation of SGPT suggests a disturbance in liver function. The NOEL was reported to be 200 ppm.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** Individuals with pre-existing diseases of the eyes, skin or respiratory system may have increased susceptibility to the toxicity of excessive exposures.

**EMERGENCY AND FIRST AID PROCEDURES**

Inhalation: If overcome by vapors, remove to fresh air and if breathing stopped, give artificial respiration. If breathing is difficult, give oxygen. Call physician.  
Eye Contact: Flush eyes with plenty of water for 15 minutes and call a physician.  
Skin Contact: Remove contaminated clothing and shoes. Wash skin with plenty of soap and water for at least 15 minutes. If irritation develops, get medical attention.  
Ingestion: Give 1 or 2 glasses of water or milk. Do not induce vomiting. Call physician or poison control center immediately.

## SECTION VI - REACTIVITY

<b>STABILITY</b>	UNSTABLE		<b>CONDITIONS TO AVOID</b> Keep away from heat, sparks, open flame and other sources of ignition.
	STABLE	X	

**INCOMPATIBILITY (MATERIALS TO AVOID)** Caustics, ammonia, inorganic acids, chlorinated compounds, strong oxidizers and isocyanates.

**HAZARDOUS DECOMPOSITION PRODUCTS**  
When forced to burn, this product gives out carbon monoxide, carbon dioxide, hydrogen chloride and smoke.

<b>HAZARDOUS POLYMERIZATION</b>	MAY OCCUR		<b>CONDITIONS TO AVOID</b> Keep away from heat, sparks, open flame and other sources of ignition
	WILL NOT OCCUR	X	

## SECTION VII - SPILL OR LEAK PROCEDURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED**

Eliminate all ignition sources. Avoid breathing of vapors. Keep liquid out of eyes. Flush with large amount of water. Contain liquid with sand or earth. Absorb with sand or nonflammable absorbent material and transfer into steel drums for recovery or disposal. Prevent liquid from entering drains.

**WASTE DISPOSAL METHOD**

Follow local, State and Federal regulations. Consult disposal expert. Can be disposed of by incineration. Excessive quantities should not be permitted to enter drains. Empty containers should be air dried before disposing. Hazardous Waste Code: 214.

## SECTION VIII - SPECIAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION (Specify type)**

Atmospheric levels should be maintained below established exposure limits contained in Section II. If airborne concentrations exceed those limits, use of a NIOSH-approved organic vapor cartridge respirator with full face-piece is recommended. The effectiveness of an air purifying respirator is limited. Use it only for a single short-term exposure. For emergency and other conditions where short term exposure guidelines may be exceeded, use an approved positive pressure self-contained breathing apparatus.

**VENTILATION**

Use only with adequate ventilation. Provide sufficient ventilation in volume and pattern to keep contaminants below applicable exposure limits set forth in Section II. Use only explosion proof ventilation equipment.

**PROTECTIVE GLOVES**

PVA coated

**EYE PROTECTION**

Splashproof chemical goggles

**OTHER PROTECTIVE EQUIPMENT AND HYGIENIC PRACTICES**

Impervious apron and a source of running water to flush or wash the eyes and skin in case of contact.

## SECTION IX - SPECIAL PRECAUTIONS

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING**

Store in the shade between 40°F - 110°F. Keep away from heat, sparks, open flame and other sources of ignition. Avoid prolonged breathing of vapor. Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Train employees on all special handling procedures before they work with this product.

**OTHER PRECAUTIONS**

Follow all precautionary information given on container label, product bulletins and our solvent cementing literature. All handling equipment should be electrically grounded.

Information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use of this product.

Prepared by George Blanco of IPS

THF 06/94