

IPS
WELD-ON

MATERIAL SAFETY DATA SHEET

Date Revised: DEC 1993

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SECTION I

MANUFACTURER'S NAME
IPS Corporation

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

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

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

TRADE NAME
WELD-ON 2721 PVC Pipe Cement

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)	109-99-9	200 PPM	250 PPM	200 PPM	250 PPM
Methyl Ethyl Ketone (MEK)	78-93-3	18*	200 PPM	300 PPM	200 PPM 300 PPM
Cyclohexanone	108-94-1	25 PPM Skin		25 PPM Skin	
N-Methylpyrrolidone	872-50-4	N/E		N/E	

*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

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

SPECIAL HAZARD DESIGNATIONS

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

SECTION III - PHYSICAL DATA

APPEARANCE Blue, medium syrupy liquid	ODOR Ethereal	BOILING POINT (°F/°C) 151°F Based on first boiling component: THF
SPECIFIC GRAVITY @ 73 +/- 2°F Typical 0.990 +/- 0.040	VAPOR PRESSURE (mm Hg) 143 mm H. Based on first boiling component, THF @ 20°C	PERCENT VOLATILE BY VOLUME (%) Approx: 65 - 75%
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: 730 Grams/Liter. Maximum VOC emission per SCAQMD Rule 1168, Test Method 316A: 450 Grams/Liter.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT 6°F T.C.C. Based on THF	FLAMMABLE LIMITS (Percent by Volume)	LEL 2.0	UEL 11.8
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FIRE EXTINGUISHING MEDIA

Azul "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.

PVC 9LUB

SECTION V - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY:

☒ Inhalation ☒ Skin Contact ☐ Eye Contact ☐ Ingestion

EFFECT OF OVEREXPOSURE

ACUTE: Inhalation: Severe overexposure may result in nausea, dizziness, headache. Can cause drowsiness, irritation of eyes and nasal passages.

Skin Contact: Skin irritant. Liquid contact may remove natural skin oils resulting in skin irritation. Dermatitis may occur with prolonged contact.

Skin 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

STABILITY

UNSTABLE

STABLE

X

CONDITIONS TO AVOID

Keep away from heat, sparks, open flame and other sources of ignition.

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.

HAZARDOUS POLYMERIZATION

MAY OCCUR

WILL NOT OCCUR

X

CONDITIONS TO AVOID

Keep away from heat, sparks, open flame and other sources of ignition

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 bulletin and our solvent cementing literature. All handling equipment should be electrically grounded.

The 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 thereof.

Prepared by George Blanco of IPS

THF 06/92

**IPS
WELD-ON**

MATERIAL SAFETY DATA SHEET

Date Revised: JUN 1993
Supersedes: APR 1992

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Business: (310) 366-3300

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

CHEMICAL NAME and FAMILY
PVC /CPVC Primer
Mixture of Organic Solvents

TRADE NAME
WELD-ON P-70 Primer for PVC and CPVC 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
Tetrahydrofuran (THF)	109-99-9	45 - 55	200 PPM	250 PPM	200 PPM	250 PPM
Methyl Ethyl Ketone (MEK)	78-93-3	47*	200 PPM	300 PPM	200 PPM	300 PPM
Cyclohexanone	108-94-1	5 - 15	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

DOT Hazard Class: Flammable Liquid
DOT Shipping Name: Flammable Liquid, N.O.S.
(Tetrahydrofuran, Methyl Ethyl Ketone)
Identification Number: UN 1993

SPECIAL HAZARD DESIGNATIONS

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

SECTION III - PHYSICAL DATA

APPEARANCE Purple or Clear, thin liquid	ODOR Ethereal	BOILING POINT (°F/°C) 151°F Based on first boiling component: THF
SPECIFIC GRAVITY @ 73 +/- 2°F Typical 0.870 +/- 0.040	VAPOR PRESSURE (mm Hg.) 143 mm Hg. Based on first boiling component, THF @ 20°C	PERCENT VOLATILE BY VOLUME (%) 100%
VAPOR DENSITY (Air = 1) 2.49	EVAPORATION RATE (BUAC = 1) > 1.0	SOLUBILITY IN WATER Completely soluble in water

VOC STATEMENT: Maximum VOC emission per SCAQMD Test Method 316A: 650 Grams/Liter.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT 6°F T.C.C. Based on THF	FLAMMABLE LIMITS (Percent by Volume)	LEL 2.0	UEL 11.8
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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.

WARNING

ADVISORY TO USERS OF MERAMEC VISCO FUSE

- Meramec Visco Fuse is designed to be used as primary ignition on fireworks classed as 1.4G (UN0336, formerly D.O.T. Class C) or on devices that would fit this classification.
- Meramec Visco Fuse is NOT designed to be used as a timing fuse for secondary effects.
- Meramec Visco Fuse is NOT to be used for blasting or demolition purposes, nor any destructive or illegal device.
- Meramec Visco Fuse is NOT recommended for use in any device Class 1.1G (UN0333), 1.2G (UN0334), 1.3G (UN0335); any formerly D.O.T. Class B or Class A device; or any unclassified device that would fit these classifications.
- Since the use of application of Meramec Visco Fuse is beyond the control of Meramec Fuse Inc., it is the responsibility of the O.E.M. purchaser or user to qualify Meramec Visco Fuse for its use, in terms of its designed purpose, and in a reasonably safe and responsible manner.
- Use appropriate hand, ear, and eye protection devices when using this and any pyrotechnic device.
- It is the responsibility of the reseller to provide a copy of this advisory to any purchaser.