IPS

WELD-ON

MATERIAL SAFETY DATA SHEET

Date Revised: OCT 2004 Supersedes: APR 2004

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:**

3 E COMPANY (24 Hour No.) (800) 451-8346

Business: (310) 898-3300

CHEMICAL NAME and FAMILY

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

WELD-ON WET R' DRY 725 Low VOC Cement for PVC Plastic Pipe

FORMULA: Proprietary

SECTION II - HAZARDOUS INGREDIENTS

None of the ingredients below are listed as							DUPON	IT
carcinogens by IARC, NTP or OSHA	CAS#	APPROX %	ACGIH-TLV	ACGIH-STEL	OSHA-PEL	OSHA-STEL	(A) AEL	(B) STEL
Polyvinyl Chloride Resin (PVC)	NON/HAZ							
Tetrahydrofuran (THF)**	109-99-9	40 - 70	200 PPM	250 PPM	200 PPM	250 PPM	50 PPM	75 PPM
Acetone	67-64-1	18 - 28	750 PPM	1000 PPM	750 PPM	1000 PPM		
Methyl Ethyl Ketone (MEK)	78-93-3	2 - 17*	200 PPM	300 PPM	200 PPM	300 PPM		

All of the constituents of Weld-On adhesive products are listed on the TSCA inventory of chemical substances maintained by the US EPA, or are exempt from such listing

* 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.

(A) Dupont and BASF mfg's Acceptable Exposure Limit (AEL) guidelines for 8 hour and 12 hour TWA, (B) Dupont/BASF recommended STEL for 15 minute TWA.

**Information found in a report from the National Toxicology Program (NTP) on an inhalation study in rats and mice suggests that Tetrahydrofuran (THF) can cause tumors in animals. In the study the rats and mice were exposed to THF vapor levels up to 1800 PPM for two years (their lifetime), 6 hours/day, 5 days/week. Test results showed evidence of liver tumors in female mice and kidney tumors in male rats. No evidence of tumors was seen in female rats and male mice. There is no data linking Tetrahydrofuran exposure with cancer in humans.

BULK SHIPPING INFORMATION / CONTAINERS LARGER THAN ONE LITER			SPECIAL HAZARD DESIGNATIONS				
	DOT Shipping Name:	Adhesive		HMIS	NFPA	HAZARD RATING	
	DOT Hazard Class:	3	HEALTH:	2	2	0 - MINIMAL	
	Identification Number:	UN 1133	FLAMMABILITY:	3	3	1 - SLIGHT	
	Packaging Group:	II	REACTIVITY:	0	1	2 - MODERATE	
	Label Required:	Flammable Liquid	PROTECTIVE			3 - SERIOUS	
			FOUIPMENT:	B - H		4 - SEVERE	

SHIPPING INFORMATION FOR CONTAINERS LESS THAN ONE LITER

DOT Shipping Name: Consumer Commodity

DOT Hazard Class: ORM-D

B = Eye, Hand/Skin (for normal solvent-welding, small spill, clean-up activities)

H = Eye, Hand/Skin, Respiratory Protection and Impermeable Apron (splash/immersion risks)

SECTION III - PHYSICAL DATA

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APPEARANCE	ODOR	BOILING POINT (°F/°C)				
Clear or aqua, medium syrupy liquid	Ethereal	133°F (57°C) Based on first boiling component:				
		Acetone				
SPECIFIC GRAVITY @ 73°F ± 3.6° (23°C ± 2°)	VAPOR PRESSURE (mm Hg.)	PERCENT VOLATILE BY VOLUME (%)				
Typical 0.924 ± 0.040	190 mm Hg. based on first boiling	Approx: 85 - 95 %				
	component, Acetone @ 68°F (20°C)					
VAPOR DENSITY (Air = 1)	EVAPORATION RATE (BUAC = 1)	SOLUBILITY IN WATER				
2.0	6-11	Solvent portion completely soluble in water.				
		Resin portion separates out				

VOC STATEMENT: VOC as manufactured: 765 Grams/Liter (g/l). Maximum VOC emission when applied & tested per SCAQMD Rule 1168, Test Method 316A: 510 g/l. Meets SCAQMD requirements for PVC Welding.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT	FLAMMABLE LIMITS	LEL	UEL
-6°F (-21°C) T.C.C. Based on Acetone	(PERCENT BY VOLUME)	2.1	13.0

FIRE EXTINGUISHING MEDIA

Ansul "Purple K" potassium bicarbonate dry chemical, any appropriately sized ABC dry chemical, carbon dioxide or foam extinguisher can be used for small fires. Use of a water fog by trained personnel can extinguish small/large fires.

SPECIAL FIRE FIGHTING PROCEDURES

Evacuate enclosed areas. Stay upwind. Close quarters or confined spaces require self-contained breathing apparatus, positive pressure hose masks or airline masks. Use of a water fog by trained personnel can extinguish small/large fires and avoid water flow or water streams/spray distributing burning material or contaminated water over a large area or into sewers or storm drains. 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(s) of ignition at or near ground or lower level and flash back.

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			SEC	TION V	- HEALTH H	AZARD DA	TA
PRIMARY RO	DUTES						
OF ENTRY:		X	_Inhalation	X	_Skin Contact	Eye Contact	Ingestion
EFFECT OF (OVEREXPOSI	JRE					
Inhalation:		Severe overexposure may result in nausea, dizziness, headache. Can cause drowsiness, irritation of eyes and nasal passages.					
Skin Contact: Skin Absorption	•		•	•	natural skin oils resultin esult in the absorption	•	ermatitis may occur with prolonged contact.
Eve Contact:	<u>)II.</u>	•	•		•		or material. on on contact with the liquid. Vapors slightly uncomfortal
Ingestion:		-	-	-	niting, diarrhea. May ca	-	
CHRONIC:		Symptoms of	respiratory tra	ct irritation an	nd damage to respirato	ry epithelium were re	eported in rats exposed to 5000 ppm THF for 90 days.
		Elevation of S	SGPT suggests	a disturbanc	e in liver function. The	NOEL was reported	to be 200 ppm.
	REPRODUCTI\ N. AP.	/E EFFECTS T	TERATOGENICIT N. AP.	Y MUTAGENI N. AP		Y SENSITIZATION TO N. AP.	PRODUCT SYNERGISTIC PRODUCTS N. AV.
		GGRAVATED I of excessive		E: Individuals	with pre-existing disea	ases of the eyes, skir	n or respiratory system may have increased
EMERGENCY	Y AND FIRST	AID PROCED	URES				
Inhalation:			by vapors, rem	ove to fresh a	air and if breathing sto	pped, give artificial r	respiration. If breathing is difficult, give oxygen. Call
Eve Contact:		physician. Flush eves w	ith plenty of wa	ater for 15 min	nutes and call a physic	ian.	
Skin Contact:		Remove cont	aminated cloth				r for at least 15 minutes. If irritation develops, get
Ingestion:		medical attended Give 1 or 2 g		r or milk. Do	not induce vomiting.	Call physician or pois	son control center immediately.
				050TI6		TIV/ITV/	
071511171	I		1		ON VI - REAC	IIVIIY	
STABILITY	UNSTABLE STABLE		Х		NS TO AVOID from heat, sparks, ope	n flame and other so	ources of ignition
INCOMPATIB	ILITY		•				
		Caustics, amme		acids, chlorin	nated compounds, stror	ng oxidizers and isoc	yanates.
				xide, carbon	dioxide, hydrogen chlo	ride and smoke.	
HAZARDOUS POLYMERIZA		WILL NOT		Х	CONDITIONS TO A		ne and other sources of ignition.
FOLTWERIZE	KIION	•			PILL OR LEA		
STEPS TO BE	E TAKEN IN C		AL IS RELEASE			KIKOCED	OKLO
Eliminate all i	gnition source	s. Avoid breath	hing of vapors.	Keep liquid o			er. Contain liquid with sand or earth. Absorb with com entering drains.
WASTE DISP	OSAL METHO	D					
					Can be disposed of by i ous Waste Code (CA):		ve quantities should not be permitted to enter
uranis. Empty	Containers sin						
				/III - SPI	ECIAL PROT	ECTION INF	FORMATION
Atmospheric I approved orga short-term exp	levels should b anic vapor car	tridge respirat nergency and o	below establish or with full face	e-piece is rec	ommended. The effect	iveness of an air pur	incentrations exceed those limits, use of a NIOSH ifying respirator is limited. Use it only for a single d, use an approved positive pressure
VENTILATION	l .						
							s to ensure airflow and air changes. Use local exhaust
ventilation to equipment.	remove airbor	ne contaminan	nts from employ	ee breathing	zone and to keep conf	aminants below leve	els listed in Section II. Use only explosion-proof ventilati
PROTECTIVE	GLOVES	P\/Δ coated r	uhher aloves f	or frequent di	nning/immersion Use	of latey/nitrile	EYE PROTECTION Splashproof chemical goggles,
PROTECTIVE GLOVES PVA coated rubber gloves for frequent dipping/immersion. Use of latex/nitrile surgical gloves or solvent resistant barrier cream should provide adequate protection when normal solvent-cement welding practices and procedures are used for solvent welding of plastic sheet/pipe joints. EYE PROTECTION Splashproof chemical goggles face shield, safety glasses (spectacles) with brow guards and side shields, etc. as appropriate for exposure.							
			HYGIENIC PR water to flush		eyes and skin in case	of contact.	
			SECT	ION IX	- SPECIAL P	RECAUTION	NS
			LING AND STO				
							urces of ignition. Avoid prolonged breathing of vapor. g procedures before they work with this product.
OTHER PREC Follow all pred electrically gro	cautionary info	rmation given	on container la	bel, product b	oulletins and our solven	t cementing literature	e. All material handling equipment should be
The information of the use thereof.	contained herein is	based on data co	onsidered accurate	. However, no wa	arranty is expressed or implie	d regarding the accuracy of	of this data or the results to be obtained from

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