## IPS

Date Revised: DEC 2006

WELD-ON	MATERI	AL SAF	ETY D	ATA SHE	EET		Supersedes:	DEC 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 employee				on on this shee	et.					
SECTION I										
MANUFACTURER'S NAME Transportation Emergencies:										
IPS Corporation				CHEMTREC: (800) 424-9300						
ADDRESS				Medical Emergencies:						
17109 S. Main St., P.O. Box 379, Gardena, CA. 90248				3 E COMPANY (24 Hour No.) (800) 451-8346 Business: (310) 898-3300						
CHEMICAL NAME and FAMILY				TRADE NAME:						
Solvent Cement for PVC Plastic Pipe				WELD-ON 2705 and 2717 Low VOC Cements for PVC Plastic Pipe						
Mixture of PVC Resin and Organic Solvents										
FORMULA: Proprietary SECTION II - HAZARDOUS INGREDIENTS										
		- паса	RDUUS							
None of the ingredients below are listed as	040#									
carcinogens by IARC, NTP or OSHA Polyvinyl Chloride Resin (PVC)	CAS# NON/HAZ	APPROX %	N/A	ACGIH-STEL	OSHA-PEL N/A	OSHA-STEL	(A) AEL	(B) STEL		
Tetrahydrofuran (THF)**	109-99-9	25 - 70	50 PPM	100 PPM	200 PPM	250 PPM	50 PPM	75 PPM		
Methyl Ethyl Ketone (MEK)	78-93-3	5 - 36*	200 PPM	300 PPM	200 PPM	300 PPM	00111	701110		
Cyclohexanone	108-94-1	1 - 15	20 PPM Skir		50 PPM					
	e listed on the T		rv of chemical	substances m		he US FPA or	are exempt fr	om that listing		
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 that 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										
**Information found in a report from the National Toxicol										
tumors in animals. In the study the rats and mice were	••••••		-			-				
results showed evidence of liver tumors in female mice a										
data linking Tetrahydrofuran exposure with cancer in hur										
BULK SHIPPING INFORMATION / CONTAINERS LAR	GER THAN ON	IE LITER		SPECIAL HAZARD DESIGNATIONS						
DOT Shipping Name: Adhesive			HMIS		NFPA					
DOT Hazard Class: 3			HEALTH:	HEALTH: 2 2			0 - MINIMAL			
Identification Number: UN 1133	lentification Number: UN 1133						1 - SLIGH			
Packaging Group: II			REACTIVIT							
Label Required: Flammable Liquid			PROTECTI							
SHIPPING INFORMATION FOR CONTAINERS LESS THAN ONE LITER			EQUIPMEN							
DOT Shipping Name: Consumer Commodity			B = Eye, Hand/Skin (for normal solvent-welding activities)							
OT Hazard Class: ORM-D			-	<ul> <li>Eye, Hand/Skin, Respiratory Protection and Impermeable Apron (splash/ immersion risks)</li> </ul>						
SECTION III - PHYSICAL DATA										
		N III - P				EDEE7ING				
	ODOR			BOILING POINT (°F/°C) FREEZING POINT						
2705 - clear, white or gray, medium syrupy liquid;	Ethoropol			151°F (67°C	)	-163°F (-108	5.5°C)			
2717 - opaque gray, or clear, heavy syrupy liquid;		Ethereal			Based on	THE				
SPECIFIC GRAVITY @ 73°F ± 3.6° (23°C ± 2°)	VAPOR PRES	SSURE (mm	Ha.)	PERCENT VOLATILE BY VOLUME (%)						
Variable by product ranging from 0.950 to 0.981 $\pm$ 0.040				Approx: 65 - 80 %						
component, THF @ 68°F			0	0 11						
VAPOR DENSITY (Air = 1)				SOLUBILITY IN WATER						
2.49	> 1.0			Solvent portion completely soluble in water.						
				Resin portion separates out.						
VOC STATEMENT: Maximum VOC emissions as applie	· · · · ·									
SECTIC	DN IV - FI	RE ANI	D EXPL	OSION H	IAZARI	D DATA				
FLASH POINT				FLAMMABL	ELIMITS		LEL	UEL		
-4°F (-20°C) T.C.C. Based on THF				(PERCENT B	Y VOLUME)		2.0	11.8		
FIRE EXTINGUISHING MEDIA			-							
Ansul "Purple K" potassium bicarbonate dry chemical, a	ny appropriately	sized ABC o	dry chemical,	carbon dioxide	or foam extin	guisher can be	used for sma	ll fires.		
Use of a water fog by trained personnel can extinguish s	mall/large fires.									
SPECIAL FIRE FIGHTING PROCEDURES										
Evacuate enclosed areas. Stay upwind. Close quarters or confined spaces require self-contained breathing apparatus, positive pressure mask or airline mask.										
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 he	avier than air	r and mav trav	el to source(s)	of ignition at	or near ground	or lower level	(s) and mav		
flash back.										
Sheet 1 of 2 ff-										

SECTION V - HEALTH HAZARD DATA									
PRIMARY ROUTES									
OF ENTRY: X Inhalation X 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 conjuctival inflammation on contact with the liquid. Vapors slightly uncomfortableIngestion: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.									
REPRODUCTIVE EFFECTS TERATOGENICITY MUTAGENICITY EMBRYOTOXICITY SENSITIZATION TO PRODUCT SYNERGISTIC PRODUCTS N. AP. N. AP. N. AP. N. AP. N. AP. N. AP. N. AV.									
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 <u>Inhalation:</u> 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         CONDITIONS TO AVOID           STABLE         X         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         MAY OCCUR         CONDITIONS TO AVOID									
POLYMERIZATION WILL NOT OCCUR X 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 (CA): 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 rubber gloves for frequent dipping/immersion. Use of latex/nitrile         EYE PROTECTION         Splashproof chemical gogg           surgical gloves or solvent resistant barrier creme should provide adequate protection when normal solvent-ceme         EYE PROTECTION         Splashproof chemical gogg           welding practices and procedures are used for solvent welding of plastic sheet/pipe joints.         EYE PROTECTION         Splashproof chemical gogg	-								
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 (5°C - 43.7°C). 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 material 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.