IPS								Date Revised:	FEB 2005		
WELD-ON		MATERI	AL SAF	ETY DA	TA SHEE	ET		Supersedes: 0	OCT 2004		
Information on this form is fu	n 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.							rpose.			
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					Transportati	ion Emergen	sies:				
IPS Corporation		Transportation Emergencies: 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 FAM	ILY			TRADE NAM		,					
Solvent Cement for PVC Pla	astic Pipe			WELD-ON 702, 704, 705, 707, 710, 711, 717, 719 and 721 for PVC Plastic Pipe							
Mixture of PVC Resin and O	FORMULA: Proprietary										
SECTION II - HAZARDOUS INGREDIENTS											
None of the ingredients below	w are listed as							DUPON	Т		
carcinogens by IARC, NTP of		CAS#	APPROX %	ACGIH-TLV	ACGIH-STEL	OSHA-PEL	OSHA-STEL	(A) AEL	(B) STEL		
Polyvinyl Chloride Resin (P\		NON/HAZ		N/A		N/A					
Tetrahydrofuran (THF)**	,	109-99-9	25 - 70	200 PPM	250 PPM	200 PPM	250 PPM	50 PPM	75 PPM		
Methyl Ethyl Ketone (MEK)		78-93-3	5 - 40*	200 PPM	300 PPM	200 PPM	300 PPM				
Cyclohexanone		108-94-1	1 - 15	20 PPM Skin	50 PPM	50 PPM Skin					
All of the constituents of We	Id-On adhesive products are	listed on the T	SCA inventor	v of chemical s	substances mai	intained by the	US FPA or a	are exempt from	n that listing		
	er Notification: This product c		-	-					-		
	now Act of 1986 and of 40CF										
	Acceptable Exposure Limit (A										
	ort from the National Toxicolo	b , b , (,	,		66	,	()			
	udy the rats and mice were e	•	•								
	liver tumors in female mice an exposure with cancer in huma	-	ors in male rat	s. No evidenc	e or tumors wa	is seen in terri		ale mice. men			
	TION / CONTAINERS LARGE		LITER		SPI		D DESIGNATI	ONS			
DOT Shipping Name:	Adhesive				0.1	HMIS	NFPA	HAZARD RA			
DOT Hazard Class:	-					2	2	0 - MININ			
Identification Number:	UN 1133			HEALTH: FLAMMABIL	ITY	3	3	1 - SLIGH			
Packaging Group:					Y:	0	1	2 - MODE			
Label Required:	Flammable Liquid			PROTECTIV				3 - SERI			
	OR CONTAINERS LESS TH	AN ONE LITER	ł	EQUIPMENT	Г:	B - H		4 - SEVE	RE		
DOT Shipping Name:	Consumer Commodity			B = Eye, Hand/Skin (for normal solvent-welding, small spill, clean-up activities)							
DOT Hazard Class:				H = Eye, Hand/Skin, Respiratory Protection and Impermeable Apron (splash/							
					ion risks)						
		SECTIO	N III - PH	IYSICAL	DATA						
APPEARANCE		ODOR			BOILING PC	DINT (°F/°C)	FREEZING	POINT			
704 - clear or gray, medium	syrupy liquid;										
705 - gray, clear or white, m	edium syrupy liquid;				151°F (67°C) -163°F (-108.5°C)						
702, 707 - clear, medium sy	rupy liquid;	Ethereal (Thre	eshold = 2-50								
710 - clear, thin syrupy liquid					Based on THF						
711 - white or opaque gray,											
717 - opaque gray, clear or 719 - clear, gray, green or w											
721 - blue, medium syrupy li											
	SPECIFIC GRAVITY @ 73°F ± 3.6° (23°C ± 2°) VAPOR PRESSURE (mm			g.) PERCENT VOLATILE BY VOLUME (%)							
	Variable by product ranging from 0.900 to 0.981 ± 0.040 143 mm Hg. based on first			boiling							
,	component, THF @ 68°F (-							
VAPOR DENSITY (Air = 1)											
2.49				Solvent portion completely soluble in water.							
			Resin portion separates out.								
VOC STATEMENT: VOC as manufactured: 850 Grams/Liter (g/l). Maximum VOC emission when applied and tested per SCAQMD Rule 1168, Test Method 316A: 600 g/l.											
SECTION IV - FIRE AND EXPLOSION HAZARD DATA											
FLASH POINT				_	FLAMMABLE			LEL	UEL		
-4°F (-20°C) T.C.C. Based o	n THF				(PERCENT B)	Y VOLUME)		2.0	11.8		
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 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 EXPLO											
Fire hazard because of low f	lash point and high volatility.	Vapors are he	avier than air a	and may travel	I to source(s) o	f ignition at or	near ground o	r lower level(s)	and may		
flash back.			Sheet 1 of 2						<i>ff-</i> d		

SECTION V - HEALTH HAZARD DATA									
PRIMARY RC	DUTES								
OF ENTRY:		Χ	Inhalation	Χ	Skin Contact	Eye Contact		Ingestion	
	OVEREXPOSI	JRE							
ACUTE: Inhalation:		Sovere ever	vocuro mov	rocult in nou	soo dizzinass hoodool	o Can causa drawsina	co irritatio	on of over and pasal passages	
Skin Contact:								on of eyes and nasal passages.	
Skin Absorptio	-	Skin irritant. Liquid contact may remove natural skin oils resulting in skin irritation. Dermatitis may occur with prolonged contact.							
Eve Contact:		Prolonged or widespread exposure may result in the absorption of harmful amounts of material. Overexposure may result in severe eye injury with corneal or conjuctival inflammation on contact with the liquid. Vapors slightly uncomfortable.							
Ingestion:	-					cause mental sluggishne			
CHRONIC:		, ,	, ,		0 1	, , , , , , , , , , , , , , , , , , , ,		ts 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. AV.								
MEDICAL CC							r respirate	ory system may have increased	
susceptibility	to the toxicity	of excessive	exposures.						
EMERGENC	Y AND FIRST	AID PROCED	URES						
Inhalation:	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:					ninutes and call a phys			All minutes the instruction of the last	
Skin Contact:	<u>.</u>			hing and sho	bes. Wash skin with ple	enty of soap and water for	or at least	15 minutes. If irritation develops, get	
Ingestion:		medical atten Give 1 or 2 o		erormilk D	o not induce vomiting	Call physician or poisor	n control o	center immediately.	
	1		1		ION VI - REA				
STABILITY	UNSTABLE				ONS TO AVOID				
INCOMPATIB	STABLE		Х	Keep aw	ay from heat, sparks, o	pen flame and other sou	irces of ig	nition.	
		Caustics amm	onia inorganio	acids chlor	inated compounds stro	ng oxidizers and isocyar	nates		
		ITION PRODU			inated compounds, site		lates.		
When forced	to burn, this p	roduct gives ou	ut carbon mon	oxide, carbo	n dioxide, hydrogen chl	oride and smoke.			
HAZARDOUS	S	MAY OCCL	JR		CONDITIONS TO	AVOID			
POLYMERIZA	ATION	WILL NOT	OCCUR	Х	Keep away from h	eat, sparks, open flame	and othe	r sources of ignition.	
		5	SECTION	N VII - S	SPILL OR LEA	AK PROCEDU	RES		
STEPS TO B	E TAKEN IN C	ASE MATERIA	L IS RELEAS	ED OR SPIL	LED				
	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.								
	OSAL METHO	D							
			s Consult disr	osal evnert	Can be disposed of by	incineration Excessive	quantities	should not be permitted to enter	
					dous Waste Code (CA)		quantities	should not be permitted to enter	
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. Do not use in close quarters or confined spaces. Open doors and/or windows to ensure airflow and air changes. Use local exhaust ventilation to remove airborne contaminants from employee breathing zone and to keep contaminants below levels listed in Section II. Use only explosion-proof ventilation									
equipment.				yee breathin					
PROTECTIVE	GLOVES	PVA coated	ubber gloves	for frequent	dipping/immersion. Us	e of latex/nitrile	EYE PR	OTECTION Splashproof chemical goggles,	
surgical glove	es or solvent re	esistant barrier	cream should	provide ade	quate protection when	normal solvent-	face shi	eld, safety glasses (spectacles) with brow	
cement weldi	ng practices a	nd procedures	are used for s	olvent weldi	ng of plastic sheet/pipe	joints.	guards &	& side shields, etc. as appropriate for exposure.	
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 of the use thereof.	contained herein is	based on data co	nsidered accurate	e. However, no v	warranty is expressed or impli	ed regarding the accuracy of th	nis data or th	e results to be obtained from	