IPS				Date Revised:	OCT 2004				
WELD-ON	MATERIAL SAF	ETY DATA SHE	ET	Supersedes: S	SEP 2003				
Information on this form is furnished solely for the purp	ose of compliance with the (Occupational Safety and Hea	alth Act and shall not be u	sed for any othe	r 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.									
	SECTIC)N I							
MANUFACTURER'S NAME			tion Emergencies:						
IPS Corporation			: (800) 424-9300						
ADDRESS		Medical Em							
17109 S. Main St., P.O. Box 379, Gardena, CA. 90248			NY (24 Hour No.) (800) 4	151-8346					
17109 S. Main St., 1.0. Dox 379, Galdena, CA. 30240			310) 898-3300	101-0040					
CHEMICAL NAME and FAMILY		TRADE NAME:	,						
Solvent Cement for CPVC Plastic Pipe			® GOLD™ Low VOC Cem	ent for CPVC Pl	astic Pine				
Mixture of CPVC Resin and Organic Solvents		WELD-ON FLOWGUARD® GOLD™ Low VOC Cement for CPVC Plastic Pipe FORMULA: Proprietary							
		KDOUS INGKEL							
None of the ingredients below are listed as				DUPO	NT				
carcinogens by IARC, NTP or OSHA	CAS# APPROX %	ACGIH-TLV ACGIH-STEL O		(A) AEL	(B) STEL				
Chlorinated Polyvinyl Chloride Resin (CPVC)	NON/HAZ	N/A	N/A						
Tetrahydrofuran (THF)**	109-99-9 30 - 40	200 PPM 250 PPM	200 PPM 250 PPM		75 PPM				
Methyl Ethyl Ketone (MEK)	78-93-3 15 - 25*	200 PPM 300 PPM	200 PPM 300 PPM	Λ					
Cyclohexanone	108-94-1 10 - 18	20 PPM Skin 50 PPM	50 PPM Skin						
All of the constituents of Weld-On adhesive products an	e listed on the TSCA invent	ory of chemical substances	maintained by the US EP	A, or are exempt	from that listi				
* Title III Section 313 Supplier Notification: This product	contains toxic chemicals su	hiect to the reporting require	ments of Section 313 of th		anning and				
Community Right-to-Know Act of 1986 and of 40CFR3		, , , , , , , , , , , , , , , , , , , ,		0,	0				
(A) Dupont and BASF mfg's Acceptable Exposure Limit									
**Information found in a report from the National Toxico									
	e ,	•		. ,					
tumors in animals. In the study the rats and mice were			()·						
results showed evidence of liver tumors in female mice	•	ats. No evidence of tumors	was seen in remaie rats a	and male mice. I	nere is no				
data linking Tetrahydrofuran exposure with cancer in hu BULK SHIPPING INFORMATION / CONTAINERS LAR		6	PECIAL HAZARD DESIGN	ATIONS					
	JER THAN ONE LITER	31							
DOT Shipping Name: Adhesive			HMIS NFPA	HAZARD R					
DOT Hazard Class: 3		HEALTH:	2 2 0 - MINIMAL						
Identification Number: UN 1133		FLAMMABILITY:	3 3	1 - SLIG					
Packaging Group: II		REACTIVITY:	0 1	2 - MOD	ERATE				
Label Required: Flammable Liquid		PROTECTIVE EQUIPMENT:	3 - SERIOUS B - H 4 - SEVERE						
				4 - SEVI	ERE				
SHIPPING INFORMATION FOR CONTAINERS LESS T	SHIPPING INFORMATION FOR CONTAINERS LESS THAN ONE LITER			B = Eye, Hand/Skin (for normal solvent-welding, small spill, clean-up activities)					
DOT Shipping Name: Consumer Commodity	OT Shipping Name: Consumer Commodity			H = Eye, Hand/Skin, Respiratory Protection and Impermeable Apron (splash/					
DOT Hazard Class: ORM-D		immersion risks)							
	SECTION III - PI	HYSICAL DATA							
APPEARANCE	ODOR		BOILING POINT (°F/°C)					
Yellow, medium syrupy liquid	Ethereal		151°F (67°C) Based on		onent: THF				
renow, meanin syrupy inquia	Ellerea			mot boining comp	bollent. ITH				
SPECIFIC GRAVITY @ 73°F ± 3.6° (23°C ± 2°)	VAPOR PRESSURE (mm	Ha)	PERCENT VOLATILE B	Y VOLUME (%)					
Typical 0.996 \pm 0.040	143 mm Hg. based on firs		Approx: 70 - 80%						
Typical 0.990 ± 0.040	-	-	Appiox. 70 - 60 %						
VAPOR DENSITY (Air = 1)	component, THF @ 68°F		SOLUBILITY IN WATER)					
	EVAPORATION RATE (BU	AC = 1)							
2.49	> 1.0		Solvent portion completely soluble in water.						
			Resin portion separates						
VOC STATEMENT: VOC as manufactured: 700 Grams/				8, Test Method 31	16A: 490 g/l.				
SECTIC)N IV - FIRE ANI	DEXPLOSION H	AZARD DATA						
FLASH POINT		FLAMMABLE	E LIMITS	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	iny appropriately sized ABC	dry chemical, carbon dioxide	e or foam extinguisher can	be used for sma	all fires.				
Use of a water fog by trained personnel can extinguish		•	· ·						
	J								
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 cor	ntainers, to flush spills from s	source of ignition and to d	sperse vapors.					
UNUSUAL FIRE AND EXPLOSION HAZARDS									
Fire hazard because of low flash point and high volatilit	y. Vapors are heavier than a	ir and may travel to source(s	s) of ignition at or near arc	und or lower leve	el(s) and flash				
back.									
	Sheet 1 of 2				<i>fff-</i> d				

SECTION V - HEALTH HAZARD DATA								
PRIMARY RO	DUTES	х	Inhalation	×	Skin Con	tact	Eye Contact	Ingestion
								ingestion
EFFECT OF ACUTE:	OVEREXPOS	URE						
Inhalation:		Severe over	exposure may	result in na	usea, dizzine	ss, headache	. Can cause drowsi	ness, irritation of eyes and nasal passages.
Skin Contact	-		•					ermatitis may occur with prolonged contact.
Skin Absorpti		•					of harmful amounts	
Eye Contact: Ingestion:	-						use mental sluggish	on on contact with the liquid. Vapors slightly uncomforta
CHRONIC:		Symptoms of	of respiratory tr	act irritation	n and damage	to respirator	y epithelium were re	eported in rats exposed to 5000 ppm THF for 90 days.
		Elevation of	SGPT sugges	ts a disturba	ance in liver fo	unction. The	NOEL was reported	to be 200 ppm.
	REPRODUCTI	VE EFFECTS	TERATOGENIC	TY MUTAG		BRYOTOXICITY	SENSITIZATION TO	PRODUCT SYNERGISTIC PRODUCTS
			N. AP.		. 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.								
	Y AND FIRST	AID PROCE					and all and and the last	
Inhalation:		physician.	by vapors, rei	move to free	sh air and if b	preathing stop	oped, give artificial i	respiration. If breathing is difficult, give oxygen. Call
Eve Contact:	<u>.</u>		with plenty of v	vater for 15	minutes and	call a physic	an.	
Skin Contact	<u>.</u>			thing and sh	noes. Wash s	skin with plen	ty of soap and wate	r for at least 15 minutes. If irritation develops, get
Ingestion:		medical atte Give 1 or 2		er or milk.	Do not induce	e vomitina. C	all physician or pois	son control center immediately.
	•				ION VI -	_	ΓΙνιτγ	
STABILITY	UNSTABLE STABLE		х		IONS TO AVO		n flame and other so	aurces of ignition
INCOMPATIE	-			Neep aw	ay nom neat,			
				ic acids, chl	orinated com	pounds, stron	g oxidizers and isoc	yanates.
		SITION PROD		noxide cart	oon dioxide h	vdrogen chlo	ride and smoke.	
HAZARDOU		MAY OCC				TIONS TO AV		
POLYMERIZ	ATION	WILL NOT		Х				e and other sources of ignition.
						OR LEA	K PROCED	URES
			IAL IS RELEAS					
							arge amount of wate sal. Prevent liquid fi	er. Contain liquid with sand or earth. Absorb with
Sand of Hom		orbent materi		into steel a				
	OSAL METHO							
			ns. Consult dis ried before dis					ve quantities should not be permitted to enter
	Containers s			posing. naz	aruous wasie	e Code (CA).	214.	
		SI	ECTION	VIII - S	PECIAL	. PROTI	ECTION INF	ORMATION
		FION (Specify						
								incentrations 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 ventila equipment.								
PROTECTIVE			rubber gloves	for frequen	t dipping/imm	oreion Lleo	of latex/nitrile	EYE PROTECTION Splashproof chemical goggles,
			er cream shoul					face shield, safety glasses (spectacles) with brow
cement welding practices and procedures are used for making plastic welded pipe joints. guards and 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 - 90°F (5°C - 32.5°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 information the use thereof.	contained herein	is based on data	considered accura	ite. However, n	io warranty is exp	pressed or implie	a regarding the accuracy	or this data or the results to be obtained from

Sheet 2 of 2

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