

IPS WELD-ON		MATERIAL SAFETY DATA SHEET		Date Revised: MAR 2008 Supersedes: NOV 2007	
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 Mixture of Petroleum Hydrocarbon Fraction and Chlorinated Hydrocarbon Solvent-Cement for Non-Pressurized Plastic Pipe Applications			TRADE NAME: WELD-ON 600 FORMULA: Proprietary		
SECTION II - HAZARDOUS INGREDIENTS					
One of the ingredients listed below is listed as a carcinogen (±) by the IARC and/or NTP					
	CAS#	APPROX %	ACGIH-TLV	ACGIH-STEL	OSHA-PEL OSHA-STEL
Synthetic Resin	NON/HAZ		N/A		N/A
Hexasol ingredient, Hexane	110-54-3	12 - 25*	50 PPM		50 PPM
Methylene Chloride (±)	75-09-2	25 - 40*	50 PPM		25 PPM 125 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 that listing.					
*SARA 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.					
PROPOSITION 65 NOTICE					
This product contains chemicals known to the state of California to cause cancer and/or reproductive harm.					
This material is an aspiration hazard and defats the skin. The ingredients are toxic by inhalation and ingestion and may be absorbed through the skin. Exposure by these routes may cause central nervous system depression, liver and kidney damage and may sensitize the heart muscle. Methylene Chloride may interfere with the oxygen carrying capacity of the blood. Methylene Chloride is a possible human cancer hazard based on test results with laboratory animals. Methylene Chloride has been listed as a potential carcinogen by IARC and NTP. Methylene Chloride is not believed to pose a measureable risk to man when handled as recommended. Benzene, a minor trace component of Textile Spirits, is known to be a carcinogen and may cause reproductive harm. Precautions should be taken to avoid unnecessary exposure to this cement.					
BULK SHIPPING INFORMATION / CONTAINERS LARGER THAN ONE LITER			SPECIAL HAZARD DESIGNATIONS		
DOT Shipping Name: Flammable liquid, toxic, n.o.s. (Hexane, Dichloromethane)			HMIS NFPA HAZARD RATING		
DOT Hazard Class: 3; Subsidiary Risk: 6.1			HEALTH: 3 1 0 - MINIMAL		
Identification Number: UN 1992			FLAMMABILITY: 3 3 1 - SLIGHT		
Packaging Group: II			REACTIVITY: 0 0 2 - MODERATE		
Label Required: Flammable Liquid & Toxic (Domestic & International)			PROTECTIVE 3 - SERIOUS		
			EQUIPMENT: B - H 4 - SEVERE		
SHIPPING INFORMATION FOR CONTAINERS LESS THAN ONE GALLON					
DOT Shipping Name: Consumer Commodity			B = Eye, Hand/Skin (for normal solvent-welding, small spill, clean-up activities)		
DOT Hazard Class: ORM-D			H = Eye, Hand/Skin, Respiratory Protection and Impermeable Apron (splash/immersion risks)		
(49CFR 173.150)					
SECTION III - PHYSICAL DATA					
APPEARANCE Syrupy liquid with light amber color	ODOR Characteristic odor of chlorinated solvents	BOILING POINT (°F/°C) 104 °F (40 °C) Based on first boiling component: Methylene Chloride			
SPECIFIC GRAVITY @ 73 °F ± 3.6 ° (23 °C ± 2 °) Typical 0.896 ± 0.040	VAPOR PRESSURE (mm Hg.) 355 mm Hg. based on first boiling component Methylene Chloride @ 68 °F (20 °C)	PERCENT VOLATILE BY VOLUME (%) Approximately 60 - 70%			
VAPOR DENSITY (Air = 1) 2.93 based on Methylene Chloride	EVAPORATION RATE (BUAC = 1) Approx. 14.5 based on Methylene Chloride	SOLUBILITY IN WATER Solvent slightly miscible. Resin precipitates.			
VOC STATEMENT: Maximum VOC emission per SCAQMD Test Method 316A: 300 Grams/Liter.					
SECTION IV - FIRE AND EXPLOSION HAZARD DATA					
FLASH POINT -16 °F (-26 °C) based on Hexane	FLAMMABLE LIMITS (Percent by Volume)	LEL 1	UEL 7		
FIRE EXTINGUISHING MEDIA Ansul "Purple K" potassium bicarbonate dry chemical, carbon dioxide, National Aero-O-Foam universal alcohol resistant foam, water spray.					
SPECIAL FIRE FIGHTING PROCEDURES Evacuate enclosed areas. Stay upwind. Close or confined areas require self-contained breathing apparatus; positive pressure masks or airline masks. Use water spray to cool containers, to flush spills from source of ignition and to disperse vapors. Do not allow contaminated water to flow into sewers or storm drains.					
UNUSUAL FIRE AND EXPLOSION HAZARDS Avoid hot surfaces and other sources of ignition. Vapors are heavier than air and may travel to source(s) of ignition at or near floor or lower level and flash back.					
Sheet 1 of 2 Ø-d(m)					

SECTION V - HEALTH HAZARD DATA															
PRIMARY ROUTES OF ENTRY: _____ X _____ Inhalation _____ X _____ Skin Contact _____ Eye Contact _____ Ingestion															
EFFECT OF OVEREXPOSURE ACUTE: <u>Inhalation:</u> Exposure to vapors may result in nausea, drowsiness, dizziness, headache, fatigue, other CNS effects and heart arrhythmias (irregular heart beats). Can cause irritation of eyes and nasal passages. Exposure to high concentrations may impair blood's ability to transport oxygen. Prolonged or repeated exposure to vapors may cause liver and kidney damage. <u>Skin Contact:</u> Repeated or prolonged contact may result in defatting of skin, irritation, contact dermatitis, rash, itching, swelling. May be absorbed through skin. <u>Eye Contact:</u> Direct exposure may result in irritation with corneal or conjunctival inflammation if not removed promptly. Vapors may irritate eyes. <u>Ingestion:</u> Moderately toxic. Irritant to digestive tract, may induce signs of central nervous system depression. Do not induce vomiting and obtain prompt medical attention. CHRONIC: <u>Inhalation</u> ‡ This material is an aspiration hazard and defats the skin. The ingredients are toxic by inhalation and ingestion and may be absorbed through the skin. Exposure by these routes may cause central nervous system depression, liver and kidney damage and may sensitize the heart muscle. Methylene Chloride may interfere with the oxygen carrying capacity of the blood. Methylene Chloride is a possible human cancer hazard based on test results with laboratory animals. Methylene Chloride has been listed as a potential carcinogen by IARC and NTP. Methylene Chloride is not believed to pose a measurable risk to man when handled as recommended. Precautions should be taken to avoid unnecessary exposure to this cement <u>Ingestion</u> Ingestion of alcohol may increase the potential for development of toxic effects or reactions resulting from Methylene Chloride exposure.															
<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: center; border-bottom: 1px solid black;">REPRODUCTIVE EFFECTS</th> <th style="text-align: center; border-bottom: 1px solid black;">TERATOGENICITY</th> <th style="text-align: center; border-bottom: 1px solid black;">MUTAGENICITY</th> <th style="text-align: center; border-bottom: 1px solid black;">EMBRYOTOXICITY</th> <th style="text-align: center; border-bottom: 1px solid black;">SENSITIZATION TO PRODUCT</th> <th style="text-align: center; border-bottom: 1px solid black;">SYNERGISTIC PRODUCTS</th> </tr> <tr> <td style="text-align: center; border-bottom: 1px solid black;">N. AP.</td> <td style="text-align: center; border-bottom: 1px solid black;">POSS.</td> <td style="text-align: center; border-bottom: 1px solid black;">N. AP.</td> <td style="text-align: center; border-bottom: 1px solid black;">POSS.</td> <td style="text-align: center; border-bottom: 1px solid black;">N. AP.</td> <td style="text-align: center; border-bottom: 1px solid black;">N. AV.</td> </tr> </table>				REPRODUCTIVE EFFECTS	TERATOGENICITY	MUTAGENICITY	EMBRYOTOXICITY	SENSITIZATION TO PRODUCT	SYNERGISTIC PRODUCTS	N. AP.	POSS.	N. AP.	POSS.	N. AP.	N. AV.
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N. AP.	POSS.	N. AP.	POSS.	N. AP.	N. AV.										
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: This material may aggravate an existing dermatitis. Individuals with pre-existing diseases of the heart, liver or kidney may have increased susceptibility to the toxicity of excessive exposures.															
EMERGENCY AND FIRST AID PROCEDURES NOTE TO PHYSICIAN: Do not administer sympathomimetic drugs unless absolutely necessary. <u>Inhalation:</u> Remove patient to fresh air and if breathing stopped, give artificial respiration. If breathing is difficult, give oxygen. Contact physician immediately. <u>Eye Contact:</u> Immediately flush eyes with flowing water for 15 minutes and contact a physician. <u>Skin Contact:</u> Wash skin with soap and water. Remove contaminated clothing and shoes. Launder clothing before reuse. If irritation develops, get medical attention. <u>Ingestion:</u> Give 1 or 2 glasses of water or milk. Do not induce vomiting. Call physician or poison control center immediately.															
SECTION VI - REACTIVITY															
STABILITY	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border-bottom: 1px solid black;">UNSTABLE</td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td>STABLE</td> <td style="text-align: center;">X</td> </tr> </table>	UNSTABLE		STABLE	X		CONDITIONS TO AVOID: Stable under normal conditions of storage and handling. Avoid contact or exposure to fire, heat, sparks, electric arcs, open flame and hot surfaces which can cause thermal decomposition.								
UNSTABLE															
STABLE	X														
INCOMPATIBILITY (MATERIALS TO AVOID) Strong alkalis, oxygen, nitrogen, peroxide, potassium and reactive metals.															
HAZARDOUS DECOMPOSITION PRODUCTS This product gives out carbon monoxide (CO), carbon dioxide (CO ²), Phosgene gas and smoke upon combustion or contact with reactive metals.															
HAZARDOUS POLYMERIZATION	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border-bottom: 1px solid black;">MAY OCCUR</td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td>WILL NOT OCCUR</td> <td style="text-align: center;">X</td> </tr> </table>	MAY OCCUR		WILL NOT OCCUR	X		CONDITIONS TO AVOID Keep away from heat, sparks, open flame and other sources of ignition.								
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SECTION VII - SPILL OR LEAK PROCEDURES															
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED Evacuate area, ventilate and avoid breathing vapors. Dike area to contain spill. Clean up area (wear protective equipment) by mopping or with absorbent material and place in closed containers for disposal. Avoid contamination of ground and surface waters. Do not flush to sewer. If spill occurs indoors, turn off heating and/or air conditioning systems to prevent vapors from contaminating entire building.															
WASTE DISPOSAL METHOD Recovered liquids may be sent to a licensed reclaimer or incineration facility. Contaminated material must be disposed of in a permitted solid waste management facility. Follow local, State and Federal regulations. Material should not be allowed to drain into domestic sewer or storm drains. Consult disposal expert.															
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 positive-pressure, full-facepiece SCBA or positive-pressure, full-facepiece supplied air respirator (with an auxiliary positive pressure SCBA) is recommended. Even for emergency and other conditions where short term exposure guidelines may/may not be exceeded, use of an approved positive pressure self-contained breathing apparatus (SCBA) is recommended.															
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 25 ppm TWA. Use only explosion-proof ventilation equipment. Monitoring should be performed to determine exposure level(s) IAW (in accordance with) 29 CFR 1910.1052.															
PROTECTIVE GLOVES PVA coated or Latex-Nitrile rubber. Surgical gloves or solvent resistant barrier creme should provide adequate protection in normal usage.		EYE PROTECTION Splashproof chemical goggles, face shield, safety glasses (spectacles) with brow 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. Close container after each use. 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.															