

IPS WELD-ON		MATERIAL SAFETY DATA SHEET				Date Revised: FEB 1999 Supersedes: JUL 1997																								
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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 or 3 E COMPANY (800) 451-8346 Medical Emergencies: 3 E COMPANY (24 Hour No.) (800) 451-8346 Business: (310) 898-3300																										
CHEMICAL NAME and FAMILY Mixture of Alcohol/Glycol and inorganic compounds				TRADE NAME: WELD-ON Teal Seal Pipe Joint Compound FORMULA: Proprietary																										
SECTION II - HAZARDOUS INGREDIENTS																														
None of the ingredients below are listed as carcinogens by IARC, NTP or OSHA																														
	CAS#	APPROX %	ACGIH-TLV	ACGIH-STEL	OSHA-PEL	OSHA-STEL																								
Isopropyl Alcohol	67-63-0	10*	400 PPM	500 PPM	400 PPM																									
Butyl Cellosolve (Ethylene Glycol N-Butyl Ether)	111-76-2	13-18	25 PPM		50 PPM																									
* 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.																														
SHIPPING INFORMATION FOR GALLON CONTAINERS OR ABOVE				SPECIAL HAZARD DESIGNATIONS																										
DOT Shipping Name: N/A DOT Hazard Class: N/A Identification Number: N/A Packaging Group: N/A Label Required: N/A				<table border="1"> <thead> <tr> <th></th> <th>HMIS</th> <th>NFPA</th> <th>HAZARD RATING</th> </tr> </thead> <tbody> <tr> <td>HEALTH:</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1</td> <td>0 - MINIMAL</td> </tr> <tr> <td>FLAMMABILITY:</td> <td style="text-align: center;">2</td> <td style="text-align: center;">2</td> <td>1 - SLIGHT</td> </tr> <tr> <td>REACTIVITY:</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td>2 - MODERATE</td> </tr> <tr> <td>PROTECTIVE EQUIPMENT:</td> <td></td> <td></td> <td>3 - SERIOUS</td> </tr> <tr> <td></td> <td style="text-align: center;">G</td> <td></td> <td>4 - SEVERE</td> </tr> </tbody> </table>				HMIS	NFPA	HAZARD RATING	HEALTH:	1	1	0 - MINIMAL	FLAMMABILITY:	2	2	1 - SLIGHT	REACTIVITY:	0	0	2 - MODERATE	PROTECTIVE EQUIPMENT:			3 - SERIOUS		G		4 - SEVERE
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SHIPPING INFORMATION FOR CONTAINERS LESS THAN ONE GALLON				G = Eye, Hand/Skin and Respiratory Protection.																										
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SECTION III - PHYSICAL DATA																														
APPEARANCE Blue, paste-like		ODOR Mild		BOILING POINT (°F/°C) 180°F (83°C)																										
SPECIFIC GRAVITY @ 73°F ± 3.6° (20°C ± 2°) Typical 1.41		VAPOR PRESSURE (mm Hg.) 0.88 mm Hg. @ 78°F (25°C)		PERCENT VOLATILE BY VOLUME (%) 20 - 40%																										
VAPOR DENSITY (Air = 1) >1		EVAPORATION RATE (BUAC = 1) 0.6		SOLUBILITY IN WATER Slight																										
VOC STATEMENT: Maximum VOC as manufactured:200 Grams/Liter.																														
SECTION IV - FIRE AND EXPLOSION HAZARD DATA																														
FLASH POINT 82°F, (28°C), P-M. C. C.		FLAMMABLE LIMITS (PERCENT BY VOLUME)			LEL 1.1	UEL 10.6																								
FIRE EXTINGUISHING MEDIA Carbon dioxide, dry chemical or water.																														
SPECIAL FIRE FIGHTING PROCEDURES Wear self-contained breathing apparatus.																														
UNUSUAL FIRE AND EXPLOSION HAZARDS Contact with strong oxidizers may cause fires or explosions. Carbon monoxide may be released.																														

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DOT Hazard Class:	N/A		HEALTH:	1	1	0 - MINIMAL
Identification Number:	N/A		FLAMMABILITY:	2	2	1 - SLIGHT
Packaging Group:	N/A		REACTIVITY:	0	0	2 - MODERATE
Label Required:	N/A		PROTECTIVE			3 - SERIOUS
			EQUIPMENT:	G		4 - SEVERE
SHIPPING INFORMATION FOR CONTAINERS LESS THAN ONE GALLON			G = Eye, Hand/Skin and Respiratory Protection.			
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UNUSUAL FIRE AND EXPLOSION HAZARDS Contact with strong oxidizers may cause fires or explosions. Carbon monoxide may be released.						

SECTION V - HEALTH HAZARD DATA

PRIMARY ROUTES
OF ENTRY:

Inhalation
 Skin Contact
 Eye Contact
 Ingestion

EFFECT OF OVEREXPOSURE

ACUTE and CHRONIC: None currently known.
 INHALATION: May cause headache/dizziness in confined areas.
 SKIN CONTACT: May cause mild irritation (rash) to sensitive skin.
 EYE CONTACT: Possible eye irritation.
 INGESTION: May cause upset stomach.

REPRODUCTIVE EFFECTS	TERATOGENICITY	MUTAGENICITY	EMBRYOTOXICITY	SENSITIZATION TO PRODUCT	SYNERGISTIC PRODUCTS
N. AP.	N. AP.	N. AP.	N. AP.	N. AP.	N. AV.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Possibly pre-existing skin and pulmonary conditions.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Remove patient to fresh air/well ventilated area. If necessary, consult a physician.
 EYE CONTACT: Flush with water for 15 minutes. If irritation persists, get medical attention.
 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. Wash clothes before reuse.
 INGESTION: Do not induce vomiting. Call physician or poison control center immediately.

SECTION VI - REACTIVITY

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	

INCOMPATIBILITY
 (MATERIALS TO AVOID) Liquid oxygen systems, liquid sodium, gaseous flourine, strong oxidizers.

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
 Contain liquid with sand, earth, or other absorbent material. Use normal good housekeeping procedures.

WASTE DISPOSAL METHOD
 Follow all Local, State and Federal regulations. Consult disposal expert.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)
 None required with normal ventilation. Avoid breathing of fumes. If used in a confined area, an appropriate respirator may be necessary.

VENTILATION
 Provide adequate ventilation. (Normal ventilation is adequate.)

PROTECTIVE GLOVES Rubber or polyethylene	EYE PROTECTION Chemical goggles
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OTHER PROTECTIVE EQUIPMENT AND HYGIENIC PRACTICES
 Wear protective gloves to prevent possible skin absorption and dermatitis. Keep out of reach of children.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
 Store in the shade, away from heat or open flame. Close container after use.

OTHER PRECAUTIONS
 Follow all precautionary information given on container label and product bulletins.
 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.

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PRIMARY ROUTES
OF ENTRY:

Inhalation
 Skin Contact
 Eye Contact
 Ingestion

EFFECT OF OVEREXPOSURE

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 INGESTION: Do not induce vomiting. Call physician or poison control center immediately.

SECTION VI - REACTIVITY

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	Avoid contact with any source of ignition.

INCOMPATIBILITY
 (MATERIALS TO AVOID) Liquid oxygen systems, liquid sodium, gaseous flourine, strong oxidizers.

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	N/A

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