

IPS		Date Revised: APR 2008															
WELD-ON		Supersedes: APR 2007															
MATERIAL SAFETY DATA SHEET																	
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		Transportation Emergencies: CHEMTREC: (800) 424-9300															
ADDRESS 17109 S. Main St., P.O. Box 379, Gardena, CA. 90248		Medical Emergencies: 3 E COMPANY (24 Hour No.) (800) 451-8346 Business: (310) 898-3300															
CHEMICAL NAME and FAMILY Asphalt Cutback-Heavy Paste		TRADE NAME: WELD-ON 182 FORMULA: Proprietary															
SECTION II - HAZARDOUS INGREDIENTS																	
<table border="1"> <thead> <tr> <th></th> <th>CAS#</th> <th>APPROX %</th> <th>ACGIH-TLV</th> <th>ACGIH-STEL</th> <th>OSHA-PEL</th> <th>OSHA-STEL</th> </tr> </thead> <tbody> <tr> <td>Petroleum Distillate (contains no asbestos fiber)</td> <td>64742-88-7</td> <td>22 - 37*</td> <td>500 PPM</td> <td></td> <td>500 PPM</td> <td></td> </tr> </tbody> </table>					CAS#	APPROX %	ACGIH-TLV	ACGIH-STEL	OSHA-PEL	OSHA-STEL	Petroleum Distillate (contains no asbestos fiber)	64742-88-7	22 - 37*	500 PPM		500 PPM	
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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 such 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 a chemical known to the State of California to cause cancer.																	
BULK SHIPPING INFORMATION / CONTAINERS LARGER THAN ONE GALLON		SPECIAL HAZARD DESIGNATIONS															
DOT Shipping Name: Tars, liquid		HMIS	NFPA	HAZARD RATING													
DOT Hazard Class: 3		HEALTH: 2	2	0 - MINIMAL													
Identification Number: UN 1999		FLAMMABILITY: 3	3	1 - SLIGHT													
Packaging Group: III		REACTIVITY: 1	1	2 - MODERATE													
Label Required: Flammable liquid		PROTECTIVE		3 - SERIOUS													
		EQUIPMENT: B - H		4 - SEVERE													
SHIPPING INFORMATION FOR CONTAINERS LESS THAN ONE GALLON		B = Eye, Hand/Skin (for normal adhesive bonding, spill and clean-up activities)															
DOT Shipping Name: Consumer Commodity		H = Eye, Hand/Skin, Respiratory Protection and Impermeable Apron (splash/immersion risks)															
DOT Hazard Class: ORM-D																	
SECTION III - PHYSICAL DATA																	
APPEARANCE Black, paste like liquid	ODOR Petroleum Odor	BOILING POINT (°F/°C) 300°F - 400°F (150°C - 206°C)															
SPECIFIC GRAVITY @ 73°F ± 3.6° (23°C ± 2°) Approx. 1.08	VAPOR PRESSURE (mm Hg.) 5 @ 68°F (20°C)	PERCENT VOLATILE BY VOLUME (%) 25 - 30%															
VAPOR DENSITY (Air = 1) > 1.0	EVAPORATION RATE (BUAC = 1) < 1.0	SOLUBILITY IN WATER Insoluble															
VOC STATEMENT: Maximum VOC 300 grams/liter.																	
SECTION IV - FIRE AND EXPLOSION HAZARD DATA																	
FLASH POINT 51°F (11°C) T.C.C.	FLAMMABLE LIMITS (Percent by Volume)	LEL 1	UEL -														
FIRE EXTINGUISHING MEDIA Foam, carbon dioxide, dry chemical.																	
SPECIAL FIRE FIGHTING PROCEDURES Do not direct water on substance. Treat as a fuel oil fire. Water may be used to cool closed containers. In a sustained fire, use self-contained breathing apparatus.																	
UNUSUAL FIRE AND EXPLOSION HAZARDS Vapors are heavier than air and may travel to source(s) of ignition at or near ground or lower level(s) and flash back.																	

SECTION V - HEALTH HAZARD DATA

PRIMARY ROUTES

OF ENTRY: X Inhalation X Skin Contact X Eye Contact X Ingestion

EFFECT OF OVEREXPOSURE

ACUTE:

INHALATION: Headache, nausea, dizziness, vomiting, irritation of nose, throat and eyes.

SKIN CONTACT: Prolonged and repeated contact with the cold product may result in defatting and drying of the skin which may lead to irritation and dermatitis. Contact with the hot product will cause thermal burns.

EYE CONTACT: May cause severe irritation, redness, tearing and blurred vision.

INGESTION: May cause mouth, throat and gastro intestinal tract irritation, nausea, vomiting and diarrhea. Aspiration of the mineral spirits portion of this product into the lungs can cause severe chemical pneumonitis which may be fatal.

CHRONIC: There are no studies to indicate that exposure to asphalt causes cancer or respiratory damage in man. However, this petroleum based product contains small amounts of polycyclic aromatic hydrocarbons which have been shown to cause cancer and respiratory damage in laboratory animals. In laboratory animal studies, prolonged and repeated inhalation exposures to hydrocarbon vapors similar to mineral spirits have resulted in kidney effects in male rats. The implications of these results for humans have not yet been determined.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Persons with a history of chronic skin or respiratory disorders may be at increased risk for worsening their conditions when over exposed to product.

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

EMERGENCY AND FIRST AID PROCEDURES

Inhalation: If overcome by vapors, remove to fresh air and if breathing stopped, give artificial respiration. If breathing is difficult, give oxygen. Contact physician.

Eye Contact: Flush eyes with plenty of water for 15 minutes and call a physician.

Skin Contact: Remove contaminated clothing and shoes. Wash thoroughly with soap and flowing 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.

NOTE TO PHYSICIAN: Perform gastric lavage in accordance with procedures for ingestion of petroleum products.

SECTION VI - REACTIVITY

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	

INCOMPATIBILITY
(MATERIALS TO AVOID) Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS
Carbon dioxide, carbon monoxide, and various hydrocarbon fragments.

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
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. Material should not be permitted to drain into domestic sewer. Minor drips and spills can be washed with water and discharged into storm sewer. Consult disposal expert. Hazardous Waste Code: U057.

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 Heat insulated gloves and clothing	EYE PROTECTION Splashproof chemical goggles, face shield, safety glasses (spectacles) with brow guards and side shields, etc. as appropriate for exposure.
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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 a cool, dark place between 40°F - 110°F (5°C - 44°C). Keep away from heat, sparks, open flame and other sources of ignition. Avoid prolonged breathing of vapor. Use with 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.