

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 or 3 E COMPANY (800) 451-8346 Medical Emergencies: 3 E COMPANY (24 Hour No.) (800) 451-8346 Business: (310) 898-3300
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CHEMICAL NAME and FAMILY Linseed Oil Base	TRADE NAME: WELD-ON 505 Key Tite Pipe Joint Compound FORMULA: Proprietary
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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 ⁰⁰	OSHA-STEL
Pigment/Filler ⁰⁰ #	14807-96-6	45-50	2 mg/m ³ (resp)		2 mg/m ³ (resp)	
Vehicle (Linseed Oil)	8001-26-1	23-30	5 mg/m ³ (as oil mist)		5 mg/m ³ (as oil mist)	
Solvents (Mineral Spirits)	64742-48-9	4*	100 PPM Skin		500 PPM Skin (100 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. ⁰⁰1989 updated PELs effectively vacated by a July 1992, U.S. Court of Appeals decision (AFL-CIO vs. OSHA, 965 F2d; 11th Cir., 1992)

PROPOSITION 65 NOTICE

The mica and graphite contained in this product contain crystalline silica, an ingredient known by the State of California to cause cancer. The product as a whole, contains <1% crystalline silica. Exposure limits for crystalline silica apply when content of the mica or graphite is equal to or greater than 1%.

Title III Section 313 Supplier Notification: This product contains NO 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.

BULK SHIPPING INFORMATION FOR GALLON CONTAINERS OR ABOVE DOT Shipping Name: Combustible Liquid, n. o. s., (Mineral Spirits, Linseed Oil) DOT Hazard Class: Combustible Liquid Identification Number: UN 1993 Packaging Group: III Label Required: NONE	SPECIAL HAZARD DESIGNATIONS <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>HMSIS</th> <th>NFPA</th> <th>HAZARD RATING</th> </tr> </thead> <tbody> <tr> <td>HEALTH:</td> <td>1</td> <td>1</td> <td>0 - MINIMAL</td> </tr> <tr> <td>FLAMMABILITY:</td> <td>2</td> <td>2</td> <td>1 - SLIGHT</td> </tr> <tr> <td>REACTIVITY:</td> <td>0</td> <td>0</td> <td>2 - MODERATE</td> </tr> <tr> <td>PROTECTIVE</td> <td></td> <td></td> <td>3 - SERIOUS</td> </tr> <tr> <td>EQUIPMENT:</td> <td>G</td> <td></td> <td>4 - SEVERE</td> </tr> </tbody> </table>		HMSIS	NFPA	HAZARD RATING	HEALTH:	1	1	0 - MINIMAL	FLAMMABILITY:	2	2	1 - SLIGHT	REACTIVITY:	0	0	2 - MODERATE	PROTECTIVE			3 - SERIOUS	EQUIPMENT:	G		4 - SEVERE
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SHIPPING INFORMATION FOR CONTAINERS LESS THAN ONE GALLON DOT Shipping Name: Consumer Commodity DOT Hazard Class: ORM-D	G = Eye, Hand/Skin and Respiratory Protection																								

SECTION III - PHYSICAL DATA

APPEARANCE Semi-solid (green) liquid	ODOR Linseed Oil	BOILING POINT (°F/°C) N/A
SPECIFIC GRAVITY @ 73°F ± 3.6° (23°C ± 2°) < 1	VAPOR PRESSURE (mm Hg.) N/A	PERCENT VOLATILE BY VOLUME (%) <4.0 (Mineral Spirits)
VAPOR DENSITY (Air = 1) N/A	EVAPORATION RATE (BUAC = 1) > 4%	SOLUBILITY IN WATER >1% Solubility in Hydrocarbon Solvents 45% Resin portion separates out.

VOC STATEMENT: This compound contains < 2 grams of VOC per liter as manufactured.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT 160°F (72°C) C.O.C.	FLAMMABLE LIMITS (PERCENT BY VOLUME)	LEL N/A	UEL N/A
FIRE EXTINGUISHING MEDIA Water, dry chemical or carbon dioxide.			

SPECIAL FIRE FIGHTING PROCEDURES
 Evacuate enclosed areas. Stay upwind. Close quarters or confined spaces require full-face self-contained breathing apparatus, operated in positive pressure mode and full turn-out gear.

UNUSUAL FIRE AND EXPLOSION HAZARDS
 Class IIIA combustible liquid. Cool fire-exposed containers after flames are extinguished. If heated to 130° F, handle as Class II liquid. Thermal decomposition may produce metal oxides, silicon dioxide and other oxidation products.

SECTION V - HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY:

_____ Inhalation X Skin Contact X Eye Contact _____ Ingestion

EFFECT OF OVEREXPOSURE

ACUTE : None currently known.

INHALATION: None in normal use. Mists or fumes from heated product may cause pneumonitis or central nervous system (CNS) depression.

SKIN CONTACT: Prolonged or repeated contact may cause irritation, skin dryness or dermatitis.

EYE CONTACT: Possible eye irritation.

INGESTION: Accidental ingestion may cause nausea and have a laxative effect. Vomiting following ingestion may result in aspiration of this product into the lungs. Aspiration can cause edema and chemical pneumonitis.

CHRONIC : Repeated contact over time may cause dermatitis. Repeated inhalation of airborne release of filler may cause pneumoconiosis.

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: May aggravate pre-existing skin and pulmonary conditions.

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Not anticipated under normal working conditions. If overcome by mists or fumes or mists from heated product, remove patient to fresh air/well ventilated area. If breathing is difficult, administer oxygen. If breathing has stopped, give rescue breathing. Seek immediate medical attention.

EYE CONTACT: Flush with plenty of water for 15 minutes. If irritation persists, seek medical attention.

SKIN CONTACT: Remove contaminated clothing and shoes. Wash skin (product may be difficult to remove from skin) with plenty of soap and water for at least 15 minutes. If irritation develops, get medical attention. Wash clothes before reuse.

INGESTION: If accidental ingestion occurs, 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) Strong oxidizers. Soluble in hydrocarbon solvents--do not use in contact with them.

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

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Small spills may be picked up with absorbent material and transferred to closed containers. Large spills may be scooped up and put into containers or salvaged. Prevent liquid from entering drains.

WASTE DISPOSAL METHOD

Recycle, reclaim and dispose of in accordance with applicable Local, State and Federal regulations. Dispose of per 40 CFR Part 261 and 262. 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, a supplied-air respirator may be necessary. If exposure in excess of the TLV or PEL is anticipated, appropriate respiratory protection should be worn.

VENTILATION

Provide ventilation sufficient to prevent exceeding recommended exposure limit or build-up of explosive concentrations of vapor in air.

PROTECTIVE GLOVES

Rubber

EYE PROTECTION

Chemical Goggles

OTHER PROTECTIVE EQUIPMENT AND HYGIENIC PRACTICES

Wear protective gloves/apron for cleanliness and to prevent possible skin absorption and dermatitis. Provide a source of running water to flush or wash the eyes and skin in case of contact. Where it is necessary to remove product residue with solvents, local exhaust ventilation and appropriate precautions should be used. Keep out of the reach of children.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store in the shade. Keep away from high temperature, heat, sparks, open flame and other sources of ignition. Avoid contact with eyes, skin and clothing. 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. Hazards normally associated with talc, graphite, and mica inhalation are not anticipated as dusts should not be released during normal usage.

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.