

GHS SAFETY DATA SHEET

Date Revised: MAR 2020 WELD-ON® 782™ Plumbing Gray Low VOC Cements for PVC Plastic Pipe Supersedes: DEC 2018

SECTION I - PRODUCT AND COMPANY IDENTIFICATION

WELD-ON® 782™ Plumbing Gray Low VOC Cements for PVC Plastic Pipe

PRODUCT USE: Low VOC Solvent Cement for PVC Plastic Pipe

RESTRICTIONS ON USE: No relevant information available

SUPPLIER: MANUFACTURER: IPS Corporation

17109 South Main Street, Gardena, CA 90248-3127

P.O. Box 379, Gardena, CA 90247-0379 Tel. 1-310-898-3300 E-mail address: EHSinfo@ipscorp.com

EMERGENCY: Transportation: CHEMTEL Tel. 800.255-3924, +1 813-248-0585 (International) Medical: CHEMTEL Tel. 800.255-3924, +1 813-248-0585 (International)

SECTION 2 - HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

<u>Health</u>		<u>Er</u>	nvironmental_	Physical Physical	
Acute Toxicity:	Category 2	Acute Toxicity:	None Known	Flammable Liquid	Category 2
Skin Irritation:	Category 3	Chronic Toxicity:	None Known		
Skin Sensitization:	NO				
Carcinogenicity	Category 2				
Eye Irritation:	Category 2				

GHS LABEL:







Signal Word: Danger

HAZARD STATEMENTS PRECAUTIONARY STATEMENTS

H225: Highly flammable liquid and vapo P210: Keep away from heat/sparks/open flames/hot surfaces

H319: Causes serious eye irritation P261: Avoid breathing dust/fume/gas/mist/vapors/spray H332: Harmful if inhaled P280: Wear protective gloves/protective clothing/eye protection/face protection

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing H335: May cause respiratory irritation

H336: May cause drowsiness or dizziness P403+P233: Store in a well ventilated place. Keep container tightly closed H351: Suspected of causing cancer P501: Dispose of contents/container in accordance with local regulation

RESPONSE STATEMENTS

P301+310: IF SWALLOWED: Call a POISON CENTER and get Medical Attention P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. P331: Do NOT induce vomiting.

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Remove contact lenses, if present and easy to do. Continue rinsing. Rinse skin with water [or shower]. P308+313: IF exposed or concerned: Get medical advice/attention

Physical Hazards Not Otherwise Classified May form explosive peroxides

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

	CAS	EINECS	REACH	CONCENTRATION	
	0.10		Registration Number	% by Weight	
Tetrahydrofuran (THF)	109-99-9	203-726-8	01-2119444314-46-0000	25 - 70	
Methyl Ethyl Ketone (MEK)	78-93-3	201-159-0	01-2119457290-43-0000	5 - 36	
Cyclohexanone	108-94-1	203-631-1	01-2119453616-35-0000	10 - 25	

All of the constituents of this adhesive product are listed on the TSCA inventory of chemical substances maintained by the US EPA, or are exempt from that listing. * Indicates this chemical is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (40CFR372).

indicates that this chemical is found on Proposition 65's List of chemicals known to the State of California to cause cancer or reproductive toxicity

SECTION 4 - FIRST AID MEASURES

Contact with eyes: Flush eyes immediately with plenty of water for 15 minutes and seek medical advice immediately.

Skin contact: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. If irritation develops, seek medical advice. Remove to fresh air. If breathing is stopped, give artificial respiration. If breathing is difficult, give oxygen. Seek medical advice. Inhalation: Rinse mouth with water. Give 1 or 2 glasses of water or milk to dilute. Do not induce vomiting. Seek medical advice immediately. Ingestion:

SECTION 5 - FIREFIGHTING MEASURES

Suitable Extinguishing Media: Unsuitable Extinguishing Media: Dry chemical powder, carbon dioxide gas, foam, Halon, water fog. HMIS NFP 0-Minimal Water spray or stream Health 2 2 1-Slight 2-Moderate Exposure Hazards: Inhalation and dermal contact Flammability 3 3 Combustion Products: Oxides of carbon, hydrogen chloride and smoke Reactivity n 3-Serious 0 PPE В 4-Severe

Protection for Firefighters: Self-contained breathing apparatus or full-face positive pressure airline masks Safety Glasses and Gloves

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions Keep away from heat, sparks and open flame

Provide sufficient ventilation, use explosion-proof exhaust ventilation equipment or wear suitable respiratory protective equipment.

Prevent contact with skin or eyes (see section 8).

Environmental Precautions: Prevent product or liquids contaminated with product from entering sewers, drains, soil or open water course

Methods for Cleaning up: Clean up with sand or other inert absorbent material. Transfer to a closable steel vessel.

Materials not to be used for clean up: Aluminum or plastic containers

SECTION 7 - HANDLING AND STORAGE

Handling: Avoid breathing of vapor, avoid contact with eyes, skin and clothing.

Keep away from ignition sources, use only electrically grounded handling equipment and ensure adequate ventilation/fume exhaust hoods.

Do not eat, drink or smoke while handling.

Store in ventilated room or shade below 44°C (110°F) and away from direct sunlight.

Keep away from ignition sources and incompatible materials: caustics, ammonia, inorganic acids, strong oxidizers and isocyanates.

Follow all precautionary information on container label, product bulletins and solvent cementing literature

SECTION 8 - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

EXPOSURE LIMITS:	Component	ACGIH 8-HOUR TLV	ACGIH 15-MINUTE STEL	OSHA 8-HOUR PEL	OSHA 15-MINUTE STEL	OSHA PEL-Ceiling	CAL/OSHA 8-HOUR PEL	CAL/OSHA 15-MINUTE Ceiling	CAL/OSHA 15-MINUTE STEL
	Tetrahydrofuran (THF)	50 ppm	100 ppm	200 ppm	N/E	N/E	200 ppm	N/E	250 ppm
	Methyl Ethyl Ketone (MEK)	200 ppm	300 ppm	200 ppm	N/E	N/E	200 ppm	N/E	300 ppm
	Cyclohexanone	20 ppm	50 ppm	50 ppm	N/E	N/E	25 ppm	N/E	N/E

Engineering Controls: Use local exhaust as needed.

Monitoring Maintain breathing zone airborne concentrations below exposure limits.

Personal Protective Equipment (PPE):

Eye Protection: Avoid contact with eyes, wear splash-proof chemical goggles, face shield, safety glasses (spectacles) with brow guards and side shields,

etc. as may be appropriate for the exposure.

Skin Protection: Prevent contact with the skin as much as possible. Butyl rubber gloves should be used for frequent immersion.

Use of solvent-resistant gloves or solvent-resistant barrier cream should provide adequate protection when normal adhesive application

practices and procedures are used for making structural bonds.

Respiratory Protection: Prevent inhalation of the solvents. Use in a well-ventilated room. 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 above. With normal use, the Exposure Limit Value will not usually be reached. When limits approached, use respiratory protection equipment.



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Odor Threshold:

Boiling Range:

Flammability:

Vapor Pressure:

Vapor Density:

Evaporation Rate:

Flammability Limits:

0.88 ppm (Cyclohexanone)

> 1.0 (BUAC = 1)

Category 2

Heavy bodied

66°C (151°F) to 156°C (313°F)

LEL: 1.1% based on Cyclohexanone UEL: 11.8% based on THF

129 mm Hg @ 20°C (68°F)based on THF >2 (Air = 1) Not Applicable

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Gray, heavy syrupy liquid Odor: Ketone

pH: Not Applicable

Melting/Freezing Point: -108.5°C (-163.3°F) Based on first melting component: THF

Boiling Point: Flash Point: 66°C (151°F) Based on first boiling component: THF -20°C (-4°F) TCC based on THF

Specific Gravity: 0.963 @23°C (73°F)

Solubility: Solvent portion soluble in water. Resin portion separates out.

Partition Coefficient n-octanol/water: Not Available

321°C (610°F) based on THF Auto-ignition Temperature:

Decomposition Temperature: Not Applicable

Other Data: Viscosity: **VOC Content:** When applied as directed, per SCAQMD Rule 1168, Test Method 316A, VOC content is: ≤ 510 g/l.

SECTION 10 - STABILITY AN D REACTIVITY

Reactivity: Heating may cause a fire Stability: Stable under normal conditions

Hazardous decomposition products: None in normal use. When forced to burn, this product gives off oxides of carbon, hydrogen chloride and smoke.

Conditions to avoid: Keep away from heat, sparks, open flame and other ignition sources. Incompatible Materials: Oxidizers, strong acids and bases, amines, ammonia

SECTION 11 - TOXICOLOGICAL INFORMATION

Likely Routes of Exposure: Inhalation, Eye and Skin Contact

Acute symptoms and effects:

Inhalation: Excessive exposure to vapors or spray mists can result in headache, dizziness, incoordination and loss of consciousness. Irritation of the eyes, nose, throat and lungs can also occur when exposed to high vapor concentrations. Some reports have associated repeated and prolonged occupational overexposure to

solvents with permanent nervous system damage.

Eye Contact: Vapors slightly uncomfortable. Overexposure may result in severe eye injury with corneal or conjunctival inflammation on contact with the liquid.

Skin Contact: Liquid contact may remove natural skin oils resulting in skin irritation. May cause defatting and irritation of skin (Dermatitis) upon prolonged or repeated

Ingestion: Swallowing can cause nausea, vomiting, diarrhea and loss of consciousness.

Chronic (long-term) effects: (MEK): Low level chronic exposure has been shown to cause decreased memory and impairment of the central nervous system.

Health Hazards Not Otherwise Classified: This material may cause defatting and irritation of skin (Dermatitis) upon prolonged or repeated contact.

Respiratory or Skin Sensitization: Not Applicable

Reproductive Effects	<u>Teratogenicity</u>	Mutagenicity	Embryotoxicity	Sensitization to Product	Synergistic Products		
Not Established	Not Established	Not Established	Not Established	Not Established	Not Established		
Corein agenicity: Tetrahydrofyran (TUE): Category 2: Supported of causing cancer							

Tetrahydrofuran (THF): Category 2: Suspected of causing cancer

Toxicity:	LD50 (Oral)	LD50 (Dermal)	LC50 (Inhalation)
Methyl Ethyl Ketone	2737 mg/kg (rat)	6480 mg/kg (rabbit)	8 hrs. 23,500 mg/m3 (rat)
Cyclohexanone	1535 mg/kg (rat)	948 mg/kg (rabbit)	4 hrs. 8,000 PPM (rat)
Tetrahydrofuran	2842 mg/kg (rat)	> 2,000 mg/kg (rat)	3 hrs. 21,000 mg/m3 (rat)

Acute Toxicity Category 2

Acute (Oral) Toxicity: Category 2 Acute (Dermal) Toxicity: Category 2 Acute (Inhalation) Toxicity: Category 2 Calculated (ATEs)

Route of Exposure Affected Organs Category Specific Target Exposure Toxicity Methyl Ethyl Ketone Inhalation Central Nervous System N/E N/E N/E (Single Exposure): Cyclohexanone Tetrahydrofuran Inhalation Central Nervous System

Specific Target Exposure Toxicity (Repeated Exposure): No Data Available Aspiration Hazard: Based on available data, the classification criteria are not met.

SECTION 12 - ECOLOGICAL INFORMATION

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Ecotoxicity:		LC50	EC50	EC50						
	Acute Aquatic Toxicity:	Pimephales promelas (fathead minnow); 96-hour	Daphnia magna (water flea): 48-hour	Pseudokirchneriella subcapitata (microalgae) Growth rate inhibitor						
	Methyl Ethyl Ketone Cyclohexanone		> 100 mg/L > 100 mg/L	2,029 mg/l - 96 hour 0.925 mg/l - 72 hour						
	Tetrahydrofuran		No Data Available	3,700 mg/l - 192 hour						

Mobility in Soil: If released into the environment, this product can move rapidly through the soil.

Degradability: Not readily biodegradable Bioaccumulation: Minimal to none

Results of PBT and vPvB assessment: PBT: Not applicable. vPvB: Not applicable

Other adverse effects: No relevant information available

SECTION 13 - WASTE DISPOSAL CONSIDERATIONS

Compliance Statement: This SDS was prepared to be in accordance with:

Dispose of waste and containers in compliance with applicable Federal, State, and Local Regulations. Consult disposal expert. Do not reuse empty containers

SECTION 14 - TRANSPORT INFORMATION

Proper Shipping Name: **EXCEPTION** for Ground Shipping Adhesives Hazard Class: 3 DOT Limited Quantity: Up to 5L per inner packaging, 30 kg gross weight per package. Consumer Commodity: Depending on packaging, these quantities may qualify under DOT as ORM-D Secondary Risk: None Identification Number: UN 1133 TDG INFORMATION

TDG CLASS FLAMMABLE LIQUID 3 Packing Group: PG II Label Required: Class 3 Flammable Liquid SHIPPING NAME ADHESIVES Marine Pollutant: NΩ UN NUMBER/PACKING GROUP: UN 1133, PG II

SECTION 15 - REGULATORY INFORMATION

Ingredient Listings: USA TSCA, Europe EINECS, Canada DSL, Australia Precautionary Label Information: Highly Flammable, Irritant, Carc. Cat. 2 AICS, Korea ECL/TCCL, Japan MITI (ENCS) Symbols:

US OSHA Hazard Communication Standard 29 CFR 1910.1200 (Rev 2012)

Canadian Workplace Hazardous Materials Information System (WHMIS) 2015 European Regulation (EC) No (EU) 2015/830 on classification, labelling and packaging of substances and mixtures

SECTION 16 - OTHER INFORMATION

Specification Information:

. Department issuing data sheet: IPS, Safety Health & Environmental Affairs E-mail address: <EHSinfo@ipscorp.com>

Directive on RoHS (Restriction of Hazardous Substances)

Training necessary: Yes, training in practices and procedures contained in product literature.

Reissue date / reason for reissue: 3/31/2020 / Updated GHS Standard Format Intended Use of Product: Solvent Cement for PVC Plastic Pipe

This product is intended for use by skilled individuals at their own risk. The information contained herein is based on data considered accurate based on current state of knowledge and experience. 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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