

GHS SAFETY DATA SHEET

WELD-ON® 705™ Low VOC Cements for PVC Plastic Pipe

Date Revised: APR 2015 Supersedes: NOV 2014

SECTION I - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:

WELD-ON® 705™ Low VOC Cements for PVC Plastic Pipe

PRODUCT USE:

Low VOC Solvent Cement for PVC Plastic Pipe

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

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

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

SECTION 2 - HAZARDS IDENTIFICATION

G	HS	CL	A	SS	IF	ICA	TI	0	N

H319: Causes serious eye irritation

H335: May cause respiratory irritation H336: May cause drowsiness or dizziness

H351: Suspected of causing cancer

H332: Harmful if inhaled

Health		E	nvironmental	Phys	sical				
Acute Toxicity:	Category 4	Acute Toxicity:	None Known	Flammable Liquid	Category 2				
Skin Irritation:	Category 3	Chronic Toxicity:	None Known	1					
Skin Sensitization:	NO			j					
leur.	Calagany 2	i e		1					

GHS LABEL:



Signal Word: Danger

WHMIS CLASSIFICATION:

CLASS B. DIVISION 2 CLASS D, DIVISION 1B

Hazard Statements H225: Highly flammable liquid and vapor

Precautionary Statements

P210; Keep away from heat/sparks/open flames/hot surfaces - No smoking

P261: Avoid breathing dust/furne/gas/mist/vapors/spray

P280; Wear protective gloves/protective clothing/eye prote ction/face protection

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

P403+P233; Store in a well ventilated place. Keep container tightly closed P501: Dispose of contents/container in accordance with local regulation

EUH019: May form explosive peroxid SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

	CAS#	EINECS#	REACH	CONCENTRATION
			Pre-registration Number	% by Welght
Tetrahydrofuran (THF)	109-99-9	203-726-8	05-2116297729-22-0000	25 - 50
Methyl Ethyl Ketone (MEK)	78-93-3	201-159-0	05-2116297728-24-0000	5 - 36
Cyclohexanone	108-94-1	203-631-1	05-2116297718-25-0000	15 - 30

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

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

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:

Likely Routes of Exposure: Inhalation, Eye and Skin Contact

Acute symptoms and effects:

Inhalation: Severe overexposure may result in nausea, dizziness, headache. Can cause drowsiness, irritation of eyes and nasal passages.

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

Liquid contact may remove natural skin oils resulting in skin irritation. Dermatitis may occur with prolonged contact. Skin Contact:

May cause nausea, vomiting, diarrhea and mental sluggishness. Ingestion: Category 2 Carcinogen

Chronic (long-term) effects: SECTION 5 - FIREFIGHTING MEASURES

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

Self-contained breathing apparatus or full-face positive pressure airline masks. Protection for Firefighters:

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).

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

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. Storage:

Keep away from ignition sources and incompatible materials: caustics, ammonia, inorganic acids, chlorinated compounds, 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 TLV	ACGIH STEL	OSHA PEL	OSHA STEL	OSHA PEL-Celling	CAL/OSHA PEL	CAL/OSHA Celling	CAL/OSHA 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. Maintain breathing zone airborne concentrations below exposure limits.

Monitoring:

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

Eve Protection: 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.



GHS SAFETY DATA SHEET

WELD-ON® 705™ Low VOC Cements for PVC Plastic Pipe

Date Revised: APR 2015 Supersedes: NOV 2014

0.88 ppm (Cyclohexanone)

> 1.0 (BUAC = 1)

Category 2

>2 (Air = 1)

Medium 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

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Odor:

Clear or gray, medium syrupy liquid

Not Available

pH: Melting/Freezing Point: **Boiling Point:**

Not Applicable -108.5°C (-163.3°F) Based on first melting component: THF 66°C (151°F) Based on first boiling component: THF

Flash Point: Specific Gravity:

Hazardous decomposition products:

Solubility: Partition Coefficient n-octanol/water: Auto-ignition Temperature: **Decomposition Temperature:**

VOC Content:

Tetrahydrofuran (THF)

Cyclohexanone

Methyl Ethyl Ketone (MEK)

Reproductive Effects

Not Established

Conditions to avoid:

Incompatible Materials:

Stability:

Toxicity:

-20°C (-4°F) TCC based on THF 0.9611 @23°C (73°F) Solvent portion soluble in water. Resin portion separates out.

321°C (610°F) based on THF Not Applicable

Oxidizers, strong acids and bases, amines, ammonia

When applied as directed, per SCAQMD Rule 1168, Test Method 316A,VOC content is: ≤ 500 g/l.

Keep away from heat, sparks, open flame and other ignition sources.

SECTION 10 - STABILITY AND REACTIVITY Stable

SECTION 11 - TOXICOLOGICAL INFORMATION 1 Ds0

> Oral: 2842 mg/kg (rat) Oral: 2737 mg/kg (rat), Dermal: 6480 mg/kg (rabbit) Oral: 1535 mg/kg (rat), Dermal: 948 mg/kg (rabbit)

<u>Mutagenicity</u> Not Established

Embryotoxicity Not Established

Sensitization to Product

Inhalation 3 hrs. 21,000 mg/m3 (rat)

Inhalation 8 hrs. 23,500 mg/m3 (rat)

Inhalation 4 hrs. 8,000 PPM (rat)

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

LC50

Odor Threshold:

Boiling Range:

Flammability:

Evaporation Rate:

Vapor Pressure:

Vapor Density:

Flammability Limits:

Other Data: Viscosity:

Synergistic Products Not Established

Target Organs

STOT SE3

STOT SE3

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:

None Known In normal use, emission of volatile organic compounds (VOC's) to the air takes place, typically at a rate of ≤ 500 g/l.

Mobility: Degradability: Bloaccumulation:

Not readily biodegradable

<u>Teratogenicity</u>

Not Established

Minimal to none

SECTION 13 - WASTE DISPOSAL CONSIDERATIONS

Follow local and national regulations. Consult disposal expert.

SECTION 14 - TRANSPORT INFORMATION Proper Shipping Name:

Hazard Class: Secondary Risk: Identification Number:

Packing Group:

Label Required:

Marine Pollutant:

Adhesives

None UN 1133 PG II

Class 3 Flammable Liquid

NO

TDG CLASS: SHIPPING NAME:

UN NUMBER/PACKING GROUP

FLAMMABLE LIQUID 3 **ADHESIVES** UN 1133, PG I

SECTION 15 - REGULATORY INFORMATION Precautionary Label Information: Highly Flammable, Irritant, Carc. Cat. 2

Symbols: Risk Phrases:

Safety Phrases:

R11: Highly flammable

R20: Harmful by inhalation.

R36/37: Irritating to eyes and respiratory system. S9: Keep container in a well-ventilated place

S16: Keep away from sources of ignition - No smoking S25: Avoid contact with eyes.

R66: Repeated exposure may cause skin dryness or cracking R67: Vapors may cause drowsiness and dizziness

Ingredient Listings: USA TSCA, Europe EINECS, Canada DSL, Australia AICS, Korea ECL/TCCL, Japan MITI (ENCS)

EXCEPTION for Ground Shipping

TDG INFORMATION

Consumer Commodity: Depending on packaging, these quantities may qualify under DOT as "ORM-D"

DOT Limited Quantity: Up to 5L per inner packaging, 30 kg gross weight per package

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S33: Take precautionary measures against static discharges. S46: If swallowed, seek medical advise immediately and show this container or label

SECTION 16 - OTHER INFORMATION Specification Information:

Department issuing data sheet:

E-mail address:

IPS. Safety Health & Environmental Affairs

<EHSinfo@ipscorp.com>

All ingredients are compliant with the requirements of the European Directive on RoHS (Restriction of Hazardous Substances).

Training necessary: Reissue date / reason for reissue: Yes, training in practices and procedures contained in product literature.

Intended Use of Product:

4/20/2015 / Updated GHS Standard Format

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.