



SECTION 1 – PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: PRO-WELD 5717 Low VOC Solvent Cement for PVC Plastic Pipe

SUPPLIER: Mighty Plumbing Solutions Adhesive LLC.

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

PRODUCT USE: Solvent Cement for PVC Plastic Pipe

ADDRESS: 227 Pine Meadow Court, North Brunswick, NJ 08902, U.S.A.

MEDICAL: Tel. 800.451.8346, 760.602.8703 3E Company (International)

SECTION 2 – HAZARDOUS IDENTIFICATION

GHS CLASSIFICATION:

Health

Acute Toxicity: Category 4

Skin Irritation: Category 3

Skin Sensitization: NO

Eye: Category 2

Environmental

Acute Toxicity: None Known

Chronic Toxicity: None Known

Physical

Flammable Liquid: Category 2

GHS LABEL:



Single Word: Danger

WHMIS CLASSIFICATION: CLASS B, DIVISION 2
CLASS D, DIVISION 1B

Precautionary Statements

- P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking
P261: Avoid breathing dust/fume/gas/mist/vapors/spray
P280: Wear protective gloves/protective clothing/eye protection/face protection
P337+P313: Get medical advice/attention
P403+P233: Store in a well ventilated place. Keep container tightly closed
P501: Dispose of contents/container in accordance with local regulation

Hazard Statements

- H225: Highly flammable liquid and vapor
H319: Causes serious eye irritation
H335: May cause respiratory irritation
H336: May cause drowsiness or dizziness
H351: Suspected of causing cancer
EUH019: May form explosive peroxides

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Table with 5 columns: INGREDIENTS, CAS#, EINECS #, REACH Pre-registration Number, CONCENTRATION % by Weight. Rows include Tetrahydrofuran (THF), Methyl Ethyl Ketone (MEK), and Cyclohexanone.

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.
Inhalation: Remove to fresh air. If breathing is stopped, give artificial respiration.
Ingestion: Rinse mouth with water. Give 1 or 2 glasses of water or milk to dilute.
Likely Routes of Exposure: Inhalation, Eye and Skin Contact
Acute symptoms and effects:
Inhalation: Severe overexposure may result in nausea, dizziness, headache.
Eye Contact: Vapors slightly uncomfortable. Overexposure may result in severe eye injury.
Skin Contact: Liquid contact may remove natural skin oils.
Ingestion: May cause nausea, vomiting, diarrhea and mental sluggishness.
Chronic (long-term) effects: Category 2 Carcinogen

SECTION 5 – FIREFIGHTING MEASURES

Table with 4 columns: Media, HMIS, NFPA, and a 4-digit severity code. Rows include Suitable Extinguishing Media, Unsuitable Extinguishing Media, Exposure Hazards, Combustion Products, and Protection for Fire fighters.

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.
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: Aluminium 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.

Storage: 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, 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

	Component	ACGIH TLV	ACGIH STEL	OSHA PEL	OSHA STEL	OSHA PEL-Ceiling	CAL/OSH A PEL	CAL/OSHA Ceiling	CAL/OSH A STEL
EXPOSURE LIMITS:	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.								

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Gray or clear, 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:	56°C (133°F) Based on first boiling component: THF	
Flash Point:	-20°C (-4°F) T.C.C. 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	
Auto-ignition Temperature:	321°C (610°F) based on THF	
Decomposition Temperature:	Not Applicable	
VOC Content:	When applied as directed, per SCAQMD Rule 1168, Test Method 316A, VOC content is: < 510 g/l.	
Odor Threshold:	0.88 ppm (Cyclohexanone)	
Boiling Range:	66°C (151°F) to 156°C (313°F)	
Evaporation Rate:	>1.0 (BUAC = 1)	
Flammability:	Category 2	
Flammability Limits:	LEL: 1.1% based on Cyclohexanone UEL: 11.8% based on THF	
Vapor Pressure:	129 mm Hg @ 20°C (68°F): THF	
Vapor Density:	> 2.0 (Air = 1)	
Other Data: Viscosity:	Heavy bodied	

SECTION 10 - STABILITY AND REACTIVITY

Stability:	Stable
Hazardous decomposition products:	None in normal use. When forced to burn, this product gives off oxides of carbon 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

Toxicity:	LD ₅₀	LC ₅₀	Target Organs
Tetrahydrofuran (THF)	Oral: 2842 mg/kg (rat)	Inhalation 3 hrs. 21,000 mg/m ³ (rat)	STOT SE3
Methyl Ethyl Ketone (MEK)	Oral: 2737 mg/kg (rat), Dermal: 6480 mg/kg (rabbit)	Inhalation 8 hrs. 23,500 mg/m ³ (rat)	STOT SE3
Cyclohexanone	Oral: 1535 mg/kg (rat), Dermal: 948 mg/kg (rabbit)	Inhalation 4 hrs. 8,000 PPM (rat)	

Reproductive Effects	Teratogenicity	Mutagenicity	Embryotoxicity	Sensitization to Product	Synergistic Products
Not Established	Not Established	Not Established	Not Established	Not Established	Not Established

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	None Known
Mobility:	In normal use, emission of volatile organic compounds (VOC's) to the air takes place, typically at a rate of < 510 g/l.
Degradability:	Not readily biodegradable
Bioaccumulation:	Minimal to none.

SECTION 13 - WASTE DISPOSAL CONSIDERATIONS

Follow local and national regulations. Consult disposal expert.





SECTION 14 - TRANSPORT INFORMATION

Proper Shipping Name: Adhesives
Hazard Class: 3
Secondary Risk: None
Identification Number: UN 1133
Packing Group: PG II
Label Required: Class 3 Flammable Liquid
Marine Pollutant: NO

EXCEPTION for Ground Shipping	
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".

TDG INFORMATION	
TDG CLASS:	FLAMMABLE LIQUID 3
SHIPPING NAME:	ADHESIVES
UN NUMBER/PACKING GROUP:	UN 1133, PG II

SECTION 15 - REGULATORY INFORMATION

Precautionary Label Information:	Highly Flammable, Irritant	Ingredient Listings: USA TSCA, Europe EINECS, Canada DSL, Australia AICS, Korea ECL/TCCL, Japan MITI (ENCS)
Symbols:	F, Xi	
Risk Phrases:	R11: Highly flammable. R36/37: Irritating to eyes and respiratory system.	R66: Repeated exposure may cause skin dryness or cracking R67: Vapors may cause drowsiness and dizziness
Safety Phrases:	S2: Keep out of the reach of children S9: Keep container in a well-ventilated place. S16: Keep away from sources of ignition. S25: Avoid contact with eyes.	S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S33: Take precautionary measures against static discharges.

SECTION 16 - OTHER INFORMATION

Specification Information:		
Department issuing data sheet:	Quality Control	All ingredients are compliant with the requirements of the European Directive on RoHS (Restriction of Hazardous Substances).
E-mail address:	<info@mpsadhesives.com>	
Training necessary:	Yes, training in practices and procedures contained in product literature.	
Reissue date / reason for reissue:	4/7/2015 / 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.

