SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Weld-On® 700™ Low VOC Cement for PVC Plastic Pipe

PRODUCT USE: Low VOC Solvent Cement for PVC Plastic Pipe

SUPPLIER: MANUFACTURER: IPS Corporation

17109 South Main Street, Gardena, CA 90248-3127
P.O. Box 379, Gardena, CA 90247-0379
Tel. 1-310-889-3300

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:
- Acute Toxicity: Category 4
- Skin Sensitization: Category 3
- Acute Toxicity: Category 3
- Flammable Liquid: Category 2

GHS LABEL:
- Signal Word: Danger
- WHMIS CLASSIFICATION: CLASS B, DIVISION 2

Hazard Statements
- H225: May cause respiratory irritation
- H351: Suspected of causing cancer
- H335: May cause respiratory irritation
- EUH019: May form explosive peroxides

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

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

CAS# | ENECS # | CONCENTRATION
--- | --- | ---
109-99-9 | 203-728-8 | 10-30
78-93-0 | 201-159-0 | 25-40
108-94-1 | 203-631-1 | 20-30
61-74-7 | 200-662-2 | 5-15

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.
- Inhalation: Remove to fresh air. If breathing is stopped, give artificial respiration. If breathing is difficult, give oxygen. Seek medical advice.
- Ingestion: Rinse mouth with water. Give 1 or 2 glasses of water or milk to dilute. Do not induce vomiting. Seek medical advice immediately.

SECTION 5 - FIREFIGHTING MEASURES

- Suitable Extinguishing Media: Dry chemical powder, carbon dioxide gas, foam, Halon, water fog.
- Unsuitable Extinguishing Media: Water spray or stream.
- Exposure Hazards: Inhalation and dermal contact.

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 suitable respiratory protective equipment.
- Skin contact: Prevent contact with skin or eyes (see section 8).
- Inhalation: Provide sufficient ventilation.
- Ingestion: Do not induce vomiting. Seek medical advice immediately.
- 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 7 - HANDLING AND STORAGE

- Handling: Avoid breathing of vapor, avoid contact with eyes, skin and clothing.
- Keep away from ignition sources and incompatible materials: caustics, ammonia, inorganic acids, chlorinated compounds, strong oxidizers and isocyanates.
- 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.

SECTION 8 - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

EXPOSURE LIMITS:
- Component | ACGIH TLV | ACGIH STEL | OSHA PEL | OSHA PEL Ceiling | CAL/OSHA PEL | CAL/OSHA STEL
--- | --- | --- | --- | --- | --- | ---
Tetrahydrofuran (THF) | 50 ppm | 100 ppm | 100 ppm | 300 ppm | N/E | N/E | 300 ppm | N/E
Methyl Ethyl Ketone (MEK) | 200 ppm | 300 ppm | 300 ppm | 1000 ppm | N/E | N/E | 1000 ppm | N/E
Cyclohexanone | 50 ppm | 100 ppm | 100 ppm | 300 ppm | N/E | N/E | 300 ppm | N/E
Acetone

Engineering Controls: Use local exhaust as needed.

Monitoring: Maintain breathing zone airborne concentrations below exposure limits.

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

Respiratory Protection: Prevent inhalation of the solvents. Use in a well-ventilated room. Open doors and/or windows to ensure air flow 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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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear, regular 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: Acetone
Flash Point: -20°C (-4°F) TCC based on Acetone
Specific Gravity: 0.937 @20°C (70°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
Deposition Temperature: Not Applicable
VOC Content: When applied as directed, per SCAQMD Rule 1168, Test Method 316A, VOC content is ≤ 510 g/l.

Vapor Pressure:

LEL: Not Established
UEL: Not Established

Mutagenicity: Not Established
Carcinogenicity: Oral: 5800 mg/kg (rat), Dermal: 6480 mg/kg (rabbit)
Embryotoxicity: Oral: 1535 mg/kg (rat), Dermal: 948 mg/kg (rabbit)
Teratogenicity: Oral: 2842 mg/kg (rat), Dermal: 948 mg/kg (rabbit)
Odor Threshold:

R11: Highly flammable.
R37: Irritating to eyes and respiratory system.
R66: Repetitive exposure may cause skin dryness or cracking
R67: Vapors may cause drowsiness and dizziness

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, 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

Flammable Range:

Exposure to oxidizing agents is potentially dangerous.

SECTION 11 - TOXICOLOGICAL INFORMATION

Toxity:

LD50 Oral: 2842 mg/kg (rat) Inhalation 3 hrs. 21,000 mg/m3 (rat) STOT SE3
Methyl Ethy Ketone (MEK) Oral: 2737 mg/kg (rat), Dermal: 6480 mg/kg (rabbit) Inhalation 8 hrs. 23,500 mg/m3 (rat) STOT SE3
Cyclohexanone Oral: 1535 mg/kg (rat), Dermal: 948 mg/kg (rabbit) Inhalation 4 hrs. 8,000 PPM (rat) STOT SE3
Acetone Oral: 5800 mg/kg (rat) Inhalation 50,100 mg/m3 (rat) STOT SE3

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

SECTION 12 - ECLOGICAL INFORMATION

Ecotoxicity: None Known
Mobility: In normal use, emission of volatile organic compounds (VOCs) 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
Packaging Group: PG II
Label Required: Class 3 Flammable Liquid
Marine Pollutant: NO

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, Carc. Cat. 2
Ingredient Listings: USA TSCA, Europe EINECS, Canada DSL, Australia
Symbols: F, Xi
AICS, Korea ECL/TCCL, Japan MITI (ENCS)
Risk Phrases: R11: Highly flammable.
R66: Repetite exposure may cause skin dryness or cracking
R37/39: Irritating to eyes and respiratory system.
R67: Vapors may cause drowsiness and dizziness
Safety Phrases: S2: Keep out of the reach of children.
S24: Avoid contact with eyes.
S26: Avoid contact with skin.
S31: Avoid breathing dust and vapor.
S33: Take precautionary measures against static discharges.

SECTION 16 - OTHER INFORMATION

Specification Information:
Department issuing data sheet: IPS, Safety Health & Environmental Affairs
E-mail address: <EHSInfo@ipscorp.com>
Training necessary: Yes, training in practices and procedures contained in product literature.
Reissue date / reason for reissue: 4/20/2015 / 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.