GHS SAFETY DATA SHEET

WELD-ON® 725™ Wet 'R Dry™ Low VOC Cement for PVC Plastic Pipe

Date Revised: FEB 2010
Supersedes: SEP 2009

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: WELD-ON® 725™ Wet 'R Dry™ 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, Carson, CA 90248-3127
P.O. Box 379, Gardena, CA 90247-0379
Tel. 1-310-898-3300

EMERGENCY: Transportation: Tel. 800.424.9300, 703.527.3887 CHEMTREC (International) Medical: Tel. 800.451.8346, 760.602.8703 3E Company (International)

SECTION 2 - HAZARDS IDENTIFICATION

GHS CLASSIFICATION:

Acute Toxicity: Category 4
Skin Irritation: Category 3
Eye: Category 2B

H319: Causes serious eye irritation
P261: Avoid breathing dust/fume/gas/mist/vapors/spray

GHS LABEL: OR

Signal Word: Danger

H225: Highly flammable liquid and vapor
H315: Causes respiratory irritation
H335: May cause respiratory irritation

Precautionary Statements:

P201: Avoid breathing dust/fume/gas/mist/vapors/spray
P301+P330: Get medical advice/attention if you feel unwell
P305+P351+P338: If in eyes: wash with plenty of water for several minutes
P305+P351: If in eyes: remove contact lenses, if present and easy to do, then wash
P313: Take off any contaminated clothing and shoes
P319: Use personal protective equipment/protective clothing

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.

Hazard Statements:

P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking
P281: Avoid breathing dust/fume/gas/mist/vapors/spray
P270: Wear protective gloves and protective clothing
P303+P365: Wipe up spill with detergent and water
P403+P405: Store in a well-ventilated place. Keep container tightly closed
P501: Dispose of contents/container in accordance with local regulation

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

CAS# EINECS # Pre-registration Number REACH % by Weight

Tetrahydrofuran (THF) 109-99-9 203-725-8 05-216297729-22-0000 45 - 60
Methyl Ethyl Ketone (MEK) 78-93-3 201-159-0 05-216297728-24-0000 4 - 15
Acetone 67-64-1 200-662-2 05-216297713-35-0000 14 - 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).

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.

Exposure Hazards: Inhalation and dermal contact

Combustion Products: Oxides of carbon, hydrogen chloride and smoke

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

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 contact with skin or eyes (see section 8).

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.

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

EXPOSURE LIMITS:

Component ACGIH TLV ACGIH STEL OSHA PEL OSHA STEL

Tetrahydrofuran (THF) 50 ppm 100 ppm 200 ppm
Methyl Ethyl Ketone (MEK) 200 ppm 300 ppm 200 ppm
Acetone 500 ppm 750 ppm 1000 ppm

Engineering Controls: Use local exhaust as needed.

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.

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: Aqua Blue, medium 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: 0.924 @23° C (73° F)
Partition Coefficient n-octanol/water: Not Available
Auto-Ignition Temperature: 321° C (610° F) based on THF
Decomposition Temperature: Not Available
Solubility: Solvent portion soluble in water. Resin portion separates out.
VOC Content: When applied as directed, per SCAQMD Rule 1168, Test Method 316A, VOC content is: ≤ 510g/l.

SECTION 10 - STABILITY AND REACTIVITY

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

SECTION 11 - TOXICOLOGICAL INFORMATION

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.
- 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. Dermatitis may occur with prolonged contact.
- Ingestion: May cause nausea, vomiting, diarrhea and mental sluggishness.

Chronic (long-term) effects: None known to humans

Toxicity:
- LD50: Tetrahydrofuran (THF) Oral: 2842 mg/kg (rat) Inhalation 3 hrs. 21,000 mg/m³ (rat)
- LC50: Methyl Ethyl Ketone (MEK) Oral: 2737 mg/kg (rat), Dermal: 6480 mg/kg (rabbit) Inhalation 8 hrs. 23,500 mg/m³ (rat)
- Acetone Oral: 5800 mg/kg (rat) Inhalation 50,100 mg/m³ (rat)

Reproductive Effects
- Not Established
- Not Established
- Not Established
- Not Established

TERATOGENICITY
- Not Established
- Not Established
- Not Established
- Not Established

Mutagenicity
- Not Established
- Not Established
- Not Established
- Not Established

Embryotoxicity
- Not Established
- Not Established
- Not Established
- Not Established

Sensitization to Product
- Not Established
- Not Established
- Not Established
- Not Established

Synergistic Products
- 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 ≤ 510g/l.

Degradability:
- 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

Ingredient Listings: USA TSCA, Europe EINECS, Canada DSL, Australia

Symbols:
- F, Xi
- AICS, Korea ECL/TCL, Japan MITI (ENCS)

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.
- 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: IPS, Safety Health & Environmental Affairs
- E-mail address: <EHSinfo@ipscorp.com>
- All ingredients are compliant with the requirements of the European Directive on RoHS (Restriction of Hazardous Substances).
- Training necessary: Yes, training in practices and procedures contained in product literature.
- Reissue date / reason for reissue: 2/23/10 / 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.