SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: WELD-ON® 773™ Low VOC Pipe Cement for ABS Plastic Pipe
PRODUCT USE: Low VOC Solvent Cement for ABS Plastic Pipe
SUPPLIER: IPS Corporation
MANUFACTURER: 17109 South Main Street, Gardena, CA 90248-3127
P.O. Box 379, Gardena, CA 90247-0379
Tel. 1-310-898-3300

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 Irritation: Category 3
Skin Sensitization: NO
Eye: Category 2B

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

Precautionary Statements

Hazard Statements
H225: Highly flammable liquid and vapor
H319: Causes serious eye irritation
H336: May cause drowsiness or dizziness
EUH 066: Repeated exposure may cause skin dryness or cracking.

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

PELs
OSHA PEL 200 ppm
OSHA PEL-Ceiling 300 ppm
ACGIH TLV 200 ppm
ACGIH STEL 300 ppm

Toxicologist:
None Known

Respiratory Protection:
Avoid breathing dust/fume/gas/mist/vapors/spray.

Personal Protective Equipment (PPE):
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

METHODS FOR CLEANUP:
Water spray or stream.

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

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

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

CAS# EINECS # PRE-REGISTRATION NUMBER CONCENTRATION%
Methyl Ethyl Ketone (MEK) 78-93-3 201-159-0 05-2116297728-24-0000 40 - 55
Acetone 67-64-1 200-662-2 05-2116297713-35-0000 10 - 15

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.
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.

Acute symptoms and effects:
Inhalation: Inhalation, Eye and Skin Contact
Slight

Likely Routes of Exposure:
Inhalation: 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.
Skin contact: Prevent contact with skin as much as possible. Butyl rubber gloves should be used for frequent immersion.

Inhalation and dermal contact

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.

With normal use, the Exposure Limit Value will not usually be reached. When limits approached, use respiratory protection equipment.

METHODS FOR CLEANING UP:
Clean up with sand or other inert absorbent material. Transfer to a closable steel vessel.

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

SECTION 5 - FIREFIGHTING MEASURES

Unsuitable Extinguishing Media:
Dry chemical powder, carbon dioxide gas, foam, halon, water fog.

Suitable Extinguishing Media:
Water spray or stream.

Combustion Products:
Oxides of carbon and smoke

Exposure Hazards:
Inhalation and dermal contact

Health:
Flammability: 3
Reactivity: 0

NFPA:
2 - Slight
1 - None
2 - Moderate
3 - Severe

NFPA Classification:
2 - None
3 - Severe

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

SOIL:
Keep 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.

MATERIALS NOT TO BE USED FOR CLEAN UP:
Aluminum or plastic containers.

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.

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

SECTION 8 - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

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:** Black, medium syrupy liquid

**Odor:** Ketone

**pH:** Not Applicable

**Melting/Freezing Point:** -95°C (-139°F) Based on first melting component: Acetone

**Boiling Point:** 56°C (133°F) Based on first boiling component: Acetone

**Flash Point:** -20°C (-4°F) T.C.C. based on Acetone

**Specific Gravity:** 0.890 @23°C (73°F)

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

**Auto-ignition Temperature:** 404°C (759°F):

**Decomposition Temperature:** Not Applicable

**VOC Content:** When applied as directed, per SCAQMD Rule 1168, Test Method 316A, VOC content is: <325 g/l.

**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:**

- **LD₅₀:** Oral: 2737 mg/kg (rat), Dermal: 6480 mg/kg (rabbit)
- **LC₅₀:** Inhalation 8 hrs. 23,500 mg/m³ (rat)

- **Acetone**
  - **LD₅₀:** Oral: 5800 mg/kg (rat)
  - **LC₅₀:** Inhalation 50,100 mg/m³ (rat)

**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 ≤ 325 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

**TDG INFORMATION**

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

**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

**Risk Phrases:** R11: Highly flammable. R66: Repeated exposure may cause skin dryness or cracking

**Safety Phrases:** S2: Keep out of the reach of children. S25: Avoid contact with eyes.

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

**Sensitization to Product:** Not Established

**Synergistic Products:** Not Established

**REQUIREMENTS FOR GROUND SHIPPING**

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

**Sensitization to Product:** Not Established

**Synergistic Products:** Not Established

**Reproductive Effects:** Not Established

**Teratogenicity:** Not Established

**Mutagenicity:** Not Established

**Embryotoxicity:** Not Established

**Sensitization to Product:** Not Established

**Synergistic Products:** Not Established

**SECTION 16 - OTHER INFORMATION**

**Specification Information:** IPS, Safety Health & Environmental Affairs, All ingredients are compliant with the requirements of the European Directive on RoHS (Restriction of Hazardous Substances).

**E-mail address:** <EHSinfo@ipscorp.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

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.