GHS SAFETY DATA SHEET

WELD-ON® 747™ Pool ‘R Spa™ Low VOC Cement for PVC Plastic Pipe

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: WELD-ON® 747™ Pool ‘R Spa™ Low VOC Cement for PVC Plastic Pipe

PRODUCT USE: Low VOC Solvent Cement for PVC Plastic Pipe

MANUFACTURER: IPS Corporation

17109 South Main Street, Gardena, CA 90248-3127
P.O. Box 379, Gardena, CA 90247-0379
Tel. 1-310-898-3300

SUPPLIER: CHEMTEL Tel. 800.255.3924, +1 813-248-0585 (International)

EMERGENCY: 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 2

Physical: Flammable Liquid

HMIS: Acute Toxicity: 2-Moderate
Inhalation and dermal contact

OSHA PEL: None Known

ACGIH TLV: None Known

N/E: None Known

GHS LABEL:

Signal Word: Danger

WHMIS CLASSIFICATION:

CLASS B, DIVISION 2 (CLASS D, DIVISION 1B)

GHS SAFETY DATA SHEET

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

CAS#: 109-99-9 203-726-8 203-726-9 203-726-22 22-0000

REACH Pre-registration Number

Concentration % by Weight

Tetrahydrofuran (THF) 40 - 55
Acetone 1-6 - 18
Methyl Ethyl Ketone (MEK) 5 - 15
Cyclohexanone 4 - 16

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), it 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.

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.

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

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: Flammability 3

Reactivity: 0 0 3-Serious

Combustion Products:

Acetone

Protection for Firefighters:

Self-contained breathing apparatus or full-face positive pressure airline masks. 4-Severe

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.

Methods for Cleaning up:

Clean up with sand or other inert absorbent material. Transfer to a closable steel vessel.

SECTION 7 - HANDLING AND STORAGE

Handling:

Avoid breathing of vapor, avoid contact with eyes, skin and clothing.

Keep away from ignition sources, only use 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 TELV ACGIH TLV OSHA PEL OSHA STEL CAL/OSHA

Tetrahydrofuran (THF) 50 100 - 200 ppm N/E N/E N/E N/E N/E 200 ppm
Methyl Ethyl Ketone (MEK) 200 ppm 300 ppm 200 ppm N/E N/E N/E N/E N/E 200 ppm
Cyclohexanone 20 50 ppm 50 ppm 200 ppm N/E N/E N/E N/E N/E 200 ppm

Engineering Controls: Use local exhaust as needed.

Monitoring:

Maintain breathing zone air concentrations below exposure limits.

Personnel 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 glasses 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: White or clear, medium syrupy liquid

Odor: Ketone

Odor Threshold: 0.88 ppm (Cyclohexanone)

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

Evaporation Rate: > 1.0 (BUAC = 1)

Flash Point: -20°C (-4°F) TCC based on Acetone

Specific Gravity: 0.942 @23°C (73°F)

Partition Coefficient n-octanol/water: Not Available

Auto-ignition Temperature: 321°C (610°F) Based on first melting component: THF

Decomposition Temperature: Not Applicable

VOC Content: When applied as directed, per SCAQMD Rule 1168, Test Method 316A, VOC content is: ≤ 510 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, 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

Toxicity:

LD50: Tetrachlorofuran (THF) Oral: 2842 mg/kg (rat) Inhalation 3 hrs. 21,000 mg/m³ (rat)

LD50: Methyl Ethyl Ketone (MEK) Oral: 2737 mg/kg (rat), Dermal: 6480 mg/kg (rabbit) Inhalation 8 hrs. 23,500 mg/m³ (rat)

LD50: Cyclohexanone Oral: 1536 mg/kg (rat), Dermal: 948 mg/kg (rabbit) Inhalation 4 hrs. 8,000 PPM (rat)

Acetone Oral: 5800 mg/kg (rat) Inhalation 50,100 mg/m³ (rat)

Reproductive Effects

Teratogenicity: Not Established

Mutagenicity: Not Established

Embryotoxicity: Not Established

Sensitization to Product: Not Established

Synergistic Products: 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.

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

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

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


 SECTION 16 - OTHER INFORMATION

Specification Information:

Department issuing data sheet: WELD-ON® 747™ Pool 'R Spa™ Low VOC Cement for PVC Plastic Pipe

E-mail address: WELD-ON@ipscorp.com

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.