SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: WELD-ON® 724™ Low VOC Cement for CPVC Plastic Pipe
PRODUCT USE: Low VOC Solvent Cement for CPVC Plastic Pipe
SUPPLIER: IPS Corporation
MANUFACTURER: 17109 South Main Street, Gardena, CA 90248-3127
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 2
Health: Category 4
Environmental: Category 3
Physical: Category 2

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

Acute symptoms and effects:
Inhalation: Severe overexposure may result in nausea, dizziness, headache. Can cause drowsiness, irritation of eyes and nasal passages.
Ingestion: Vomitors 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.

 Likely Routes of Exposure: Inhalation, Eye and Skin Contact

Precautionary Statements:
Prevent contact with skin or eyes (see section 8).

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

CAS Registry Number
Tetrahydrofuran (THF) 109-99-9
Methyl Ethyl Ketone (MEK) 78-93-3
Cyclohexanone 108-94-1

CONCENTRATION % by Weight
THF 40 - 70
MEK 2 - 15
Cyclohexanone 5 - 20

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 immediately.
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: Water spray or stream.
Unsuitable Extinguishing Media: Dry chemical powder, carbon dioxide gas, foam, Halon, water fog.
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.
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.

SECTION 7 - HANDLING AND STORAGE

Handling: Avoid breathing of vapor, avoid contact with eyes, skin and clothing.
Storage: Store in ventilated room or shade below 33°C (90°F) and away from direct sunlight.

SECTION 8 - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

Exposure Limits:
Component TTHF MEK CYC
ACGIH 8-hr TLV 50 ppm 200 ppm 20 ppm
OSHA 8-hr PEL 100 ppm 200 ppm 50 ppm
OSHA 15 min STEL N/E N/E N/E
OSHA PEL-Ceiling N/E N/E N/E

Exposure limits are classified as follows:
0 - Minimal
1 - Slight
2 - Mild
3 - Moderate
4 - Serious
5 - Severe

Engineering Controls: Use local exhaust as needed.
Prevent inhalation of the solvents. Use in a well-ventilated room.

Personal Protective Equipment (PPE):
Respiratory Protection: Prevent inhalation of the solvents. Use in a well-ventilated room. Open doors and windows to ensure airflow and air changes. Use local exhaust ventilation to remove airborne contaminants from employee breathing zone and to keep contaminants below limits listed above.

File: W-DT0240Itoc.v.1-19.xls Page 1 of 2 1/1/2019 8:17 AM
SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Gray or orange, 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: 66°C (151°F) Based on first boiling component: THF
Flash Point: -20°C (-4°F) TCC based on THF
Specific Gravity: 0.984 @20°C (73°F)
Solubility: Solvent portion soluble in water.
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: < 490 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:
Tetrahydrofuran (THF) LD50 Oral: 2842 mg/kg (rat) Inhalation 3 hrs. 21,000 mg/m³ (rat)
Methyl Ethyl Ketone (MEK) Oral: 2737 mg/kg (rat), Dermal: 6480 mg/kg (rabbit) Inhalation 8 hrs. 23,500 mg/m³ (rat)
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

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: None Known
Mobility in Soil: If released into the environment, this product can move rapidly through the soil.
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
Packaging Group: PG II
Label Required: Class 3 Flammable Liquid
Marine Pollutant: NO

TDG INFORMATION

TRADE 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. Category 2
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
S25: Avoid contact with eyes.
S9: Keep container in a well-ventilated place.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S16: Keep away from sources of ignition - No smoking.
S33: Take precautionary measures against static discharges.

Compliance Statement: This SDS was prepared to be in accordance with:
European Regulation (EC) No (EU) 2015/830 on classification, labeling and packaging of substances and mixtures

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: 1/11/2019 / Updated GHS Standard Format
Intended Use of Product: Solvent Cement for CPVC 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.