SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION
PRODUCT NAME: WELD-ON® 737™ TURF 'N AG™ Low VOC PVC Cement
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. 1-310-898-3300

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:
- Health: Category 4
- Environmental: Category 3
- Physical: Category 2

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

Hazard Statements:
- H225: Highly flammable liquid and vapor
- H319: Causes serious eye irritation
- H336: May cause drowsiness or dizziness
- H335: May cause respiratory irritation

Precautionary Statements:
- P210: Keep away from heat/sparks/open flames/hot surfaces – No smoking
- P280: Wear protective gloves/protective clothing/eye protection/face protection
- P261: Avoid breathing dust/fume/gas/mist/vapors/spray
- P337+P313: Get medical advice/attention
- P403+P233: Store in a well ventilated place. Keep container tightly closed
- P405: Store in a well ventilated room. Keep container tightly closed

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS
CAS#        REACH Pre-registration Number CONCENTRATION % by Weight
Tetrahydrofuran (THF) 109-99-9 203-728-8 05-2116297729-22-0000 48 - 60
Methyl Ethyl Ketone (MEK) 78-93-3 201-159-0 05-2116297728-24-0000 5 - 15
Acetone 67-64-1 200-662-2 05-2116297713-35-0000 10 - 20

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.

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.
- Skin Contact: Vapors slightly uncomfortable. Overexposure may result in severe eye injury with corneal or conjunctival inflammation on contact with the liquid.

Chronic (long-term) effects: Category 2 Carcinogenic

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 contact dermatitis

Combustion Products:
- Oxides of carbon, hydrogen chloride and smoke

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

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, 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 well ventilated, clean, dry, cool area. Keep away from heat, moisture and incompatible materials.
- Not compatible with: acids, alkalies, oxidizers, solvents.

SECTION 8 - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION
EXPOSURE LIMITS:

<table>
<thead>
<tr>
<th>Component</th>
<th>ACGIH TLV</th>
<th>ACGIH STEL</th>
<th>OSHA PEL</th>
<th>OSHA STEL</th>
<th>CAL/OSHA PEL</th>
<th>CAL/OSHA STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tetrahydrofuran (THF)</td>
<td>50 ppm</td>
<td>100 ppm</td>
<td>200 ppm</td>
<td>N/E</td>
<td>200 ppm</td>
<td>N/E</td>
</tr>
<tr>
<td>Methyl Ethyl Ketone (MEK)</td>
<td>500 ppm</td>
<td>750 ppm</td>
<td>1000 ppm</td>
<td>N/E</td>
<td>500 ppm</td>
<td>3000 ppm</td>
</tr>
</tbody>
</table>

Engineering Controls:
- Use local exhaust as needed.

Monitoring:
- Maintain breathing zone airborne concentrations below exposure limits.

Personal Protective Equipment (PPE):
- Eye Protection: Avoid contact with eyes, use splash-proof chemical goggles, face shield, safety glasses (spectacles) with 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. 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.
GHS SAFETY DATA SHEET
WELD-ON® 737™ TURF ‘N AG™ Low VOC PVC Cement

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Blue (fades to clear), 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: 25°C (-4°F) TCC based on Acetone
Specific Gravity: 0.924 @23°C (73°F)
Solubility: Solvent portion soluble in water. Resin portion separates out.
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 < 510g/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)
Oral: 2842 mg/kg (rat)
Inhalation 3 hrs. 21,000 mg/m^3 (rat)
Methyl Ethyl Ketone (MEK)
Oral: 2737 mg/kg (rat), Dermal: 6480 mg/kg (rabbit)
Inhalation 8 hrs. 23,500 mg/m^3 (rat)
Acetone
Oral: 5800 mg/kg (rat)
Inhalation: 50,100 mg/m^3 (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 ≤ 510g/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
DOT Limited Quantity: Up to 5L per inner packaging, 30 kg gross weight per package.
Consumer Commodity: Depending on packaging, these quantities may qualify under DOT as "ORM-D".

SECTION 15 - REGULATORY INFORMATION

Precautionary Label Information: Highly flammable, irritant. Carc. Cat. 2. Ingredient Listings: USA TSCA, Europe EINECS, Canada DSL, Australia
AICS, Korea ECL/TCCL, Japan MITI (ENCS)
Risk Phrases: R11: Highly flammable.
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.

SECTION 16 - OTHER INFORMATION

Specification Information:
Department issuing data sheet: IPS, Safety Health & Environmental Affairs
E-mail address: <EHShinfo@ipscorp.com>
Training necessary: Yes, training in practices and procedures contained in product literature.
Reissue date / reason for reissue: 4/21/2015 / 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.