MATERIAL SAFETY DATA SHEET

WELD-ON ® 2767 Solvent Cement for PVC Plastic Pipe

Date Revised: JUL 2006
Supersedes: APR 2005

SECTION I - IDENTIFICATION of the SUBSTANCE/PREPARATION, and the COMPANY/UNDERTAKING

TRADE NAME: **Weld-On 2767** Low VOC Cement for PVC Plastic Pipe

SUPPLIER/DISTRIBUTOR *HR Products Pty Ltd*
207 Bannister Road
Canningvale, WA 6115
Tel. 08-9455-1677
FAX.: 08-9455-1680

MANUFACTURER: IPS Corporation
17109 S. Main St. -- P.O. Box 379 -- Gardena, CA. 90248 –USA
Tel. 310 - 898 - 3300

EMERGENCY: Tel. 202 - 483 - 7616 CHEMTREC (International)

SECTION 2 - CHEMICAL COMPOSITION

	CAS#	CONCENTRATION	SYMBOL	R phrases	S phrases	ExposureLimitValue
Polyvinyl Chloride Resin (PVC)	NON-HAZ	18 - 30%	N/A	N/A		N/A
Tetrahydrofuran	109-99-9	45 - 55%	F Xi	11-19-36/37	7-16-29-33	200 PPM
Methyl Ethyl Ketone (MEK)	78-93-3	10 - 20%	F Xi	11-36-66-67	2-7-9-16-51	200 PPM
Cyclohexanone	108-94-1	10 - 20%	Xn	10-20	7-29	20 PPM Skin

All of the constituents of this adhesive product are listed on the Australian Inventory of Chemical Substances (AICS)

SECTION 3 - RISK/HAZARD IDENTIFICATION

Human: -Highly flammable; keep away from sources of ignition. Vapors are heavier than air and may travel to sources of ignition at or near ground or lower level(s) and flash back.
-Irritant, do not breathe vapours.
-See also section 11.

Environment -Emission of volatile organic compounds (VOC's).
-Spills or leaks can result in ground water contamination.

Hazardous according to health criteria of NOHSC/ WORKSAFE Australia

Irritant Symbol

Flammable Symbol

Poisons schedule No. (Aust.)/ Toxic Substance (NZ): S5 Caution

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.
Symptoms: -See section 11.

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: -Carbon monoxide, carbon dioxide, hydrogen chloride and smoke
Combustion Products: -Carbon monoxide, carbon dioxide, hydrogen chloride and smoke
Protection for Firefighters: -Self-contained breathing apparatus or full-face positive pressure airline masks.

SECTION 6 - MEASURES FOR ACCIDENTAL RELEASE (LEAKS/SPILLAGE)

Personal precautions: -Keep people away from and upwind of spill/leak. -Keep spilled material/vapors away from heat, sparks and open flame.
-Provide sufficient ventilation, use explosion-proof exhaust ventilation eqiuipment 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: -Dam up. Absorb spill with inert material (e.g. dry sand or earth). -Transfer to a chemical waste container (Metal or polyethylene [PE])
-Take precautionary measures against static discharges.

Materials not to be used for clean up: -Liquid(s)

SECTION 7 - STORAGE AND HANDLING

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 ventliated room or shade between 5°C and 32.5°C (40°F - 90°F).
-Keep away from ignition sources and incompatible materials: caustics, ammonia, inorganic acids, chlorinated compounds, strong oxydizers and isocyanate
-Keep container tightly closed when not in use.
-Follow all precautionary information on container label, product bulletins and solvent cementing literature.

SECTION 8 - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

System Design: If ventilated cabinet, enclosure or fume hood is necessary, average airflow should be at least 100 FPM (50.8 cm/sec).
Monitoring: Maintain breathing zone airborne concentrations below exposure limits (see section 2).
Breathing 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 in section 2 With normal use, the Exposure Limit Value will not usually be reached. When limits approached, use respiratory protection equipment (filter /
Skin Protection: Prevent contact with the skin as much as possible. Polyethylene or PVA coated rubber gloves should be used for frequent dipping/immersic Use of latex/nitrile surgical gloves or solvent-resistant barier cream should provide adequate protection when normal solvent-cement welding practices and procedures are used for making plastic welded pipe joints.
Eye Protection: Avoid contact with eyes, wear splashproof chemical goggles, face shield, safety glasses (spectacles) with brow guards and side shields, etc as may be appropriate for the exposure.

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SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Blue or green, medium syrupy liquid			
Odour:	Etherial			
P.H.	N.AP.			
Boiling Point:	67°C (151°F) Based on first boiling component: THF			
Flash Point:	-4°C (-20°F) T.C.C. based on THF			
Autoflammability:	321°C (609.8°F): THF			
Vapour Pressure:	143 mm Hg @ 20°C (68°F): THF			
Solubility:	Solvent portion completely soluble in water (70 - 80%). Resin portion separates out.			
Other Data:	Vapour Density:	2.49 (Air = 1)	Specific Gravity @23°C ± 2° (73°F ± 3.6°) Typically 0.982 ± 0.040	
	Evaporation Rate:	> 1.0 (BUAC = 1)	Flammability Limits:	LEL: 2.0%
	Viscosity:	500 - 700 CPS Minimum @ 23°C ± 2°	(percent by volume)	UEL: 11.8%

SECTION 10 - STABILITY AND REACTIVITY

Stability:	Stable
Conditions to avoid:	Keep away from heat, sparks, open flame and other ignition sources.
Effects:	When forced to burn, this product gives out carbon monoxide, carbon dioxide, hydrogen chloride and smoke.
Materials to avoid:	Caustics, ammonia, inorganic acids, chlorinated compounds, strong oxidizers and isocyanates.
Hazardous decomposition products:	None in normal use. See item 10.2 for reactivity/combustion effects.

SECTION 11 - TOXICOLOGICAL INFORMATION

Acute symptoms and effects: If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13-1128: New Zealand 03-474-7000

Inhalation:	Severe overexposure may result in nausea, dizziness, headache. Can cause drowsiness, irritation of eyes and nasal passages.
Eye Contact:	Vapours 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

SECTION 12 - ECOLOGICAL INFORMATION

Mobility:	In normal use, emission of volatile organic compounds (VOC's) to the air takes place. Typically at a rate of 510 Grams/Litre. Minimal other adverse effects include possible ground water contamination from release to soil, sewers, drains or water course.
Degradability:	Biodegradable
Accumulation:	Minimal to none.

SECTION 13 - WASTE DISPOSAL CONSIDERATIONS

Follow local and national regulations. Consult disposal expert. Can be disposed of by controlled incineration. Excessive quantities should not be permitted to enter drain sewers or water courses. Empty containers should be air dried before disposing.

SECTION 14 - TRANSPORT INFORMATION

UN Number	UN1133	ADGC CLASSIFICATION:	
UK Road & Sea Freight (IMO) Classification:	3	Class / Packing Group:	3 / II
Substance Classification Number:		Proper Shipping name:	ADHESIVES containing flammable liqui
Class:	3	ICAO/IATA CLASSIFICATION:	
Packing Group:	II	Class:	3
Proper Shipping Name:	Adhesives	Sub-Risk:	None/Nil
PGR (if applicable)		Packing Group:	II
Dangerous Goods Class (Aus)	3[Y]E	Proper Shipping Name:	Adhesives

SECTION 15 - REGULATORY INFORMATION

Precautionary Label Information: Highly Flammable, Irritant

Symbols: F, Xi

Risk Phrases:
- R-10 Flammable
- R-11 Highly Flammable
- R-20 Harmful by inhalation

Ingredient Listings: USA TSCA, Europe EINECS (200-838-9), Canada DSL, Australi AICS, Korea ECL/TCCL, Japan MITI (ENCS)
- R-36/37/38 Irritrating to eyes, respiratory system and skin.
- R-66 repeated exposure may cause skin dryness or cracking.
- R-67 Vapours may cause drowsiness and dizziness.

Safety Phrases:
- S-2 Keep out of reach of children.
- S-7 Keep container tightly closed when not in use.
- S-9 Keep container in a well-ventilated place.
- S-16 Keep away from sources of ignition. No smoking.
- S-24/25 Avoid contact with skin and eyes.
- S-29 Do not empty into drains.
- S-33 Take precautionary measures against static discharges.
- S-51 Use only in well ventilated areas.

All ingredients are compliant with the requirements of the European Directive on RoHS (Restriction of Hazardous Substances)

SECTION 16 - OTHER INFORMATION

Specification Information:

Department issuing data sheet:	IPS, Safety Health & Environmental Affairs
Contact Name:	Richard Winn, MS, CSP, MIIRSM
e-mail address:	<richardw@ipscorp.com>
Training necessary:	Yes, training in practices and procedures contained in solvent-cementing literature.
Reissue date / reason for reissue:	JUL 2006 / First time in Euro format, Australia criteria
Intended Use of Product:	Solvent Cement for bonding/cementing 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.

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