

Material Safety Data Sheet – SOLVENT CEMENT TYPE P

Atherton Chemicals Pty Limited

SUPERSEDES: 19th December 2002

9-11 Antill Street

Yennora NSW 2161 Telephone: (02) 9681 3666 Fax: (02) 9892 1881

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IDENTIFICATION

HAZARDOUS ACCORDING TO CRITERIA OF WORKSAFE AUSTRALIA

PRODUCT NAME: PIPE GRIP SOLVENT CEMENT SSC TYPE P

Manufacturers Code: Not established

U.N. Number:	1133
Dangerous Goods Class:	3
Subsidiary Risk:	Nil
Hazchem Code:	3[Y]E
Poisons Schedule Number:	N/A
Dot Hazard Classification:	Flammable Liquid
Packaging Group:	II
EPG:	3A1

USE: ADHESIVE/SOLVENT CEMENT FOR PVC PIPES.

PHYSICAL DESCRIPTION/PROPERTIES

Appearance:	Clear, luminous green, viscous liquid
Specific Gravity:	0.95
Evap. Rate:	Not applicable
Boiling Point/Range (°C):	79.6°C
Percent Volatile:	>81
Flash Point:	-17°C
Solubility In Water:	Not Miscible
pH @ 20°C:	Not available
Viscosity (cps @ 20°C):	550-650

INGREDIENTS

CHEMICAL ENTITY	CAS NO.	PROPORTION %w/w
Methyl Ethyl Ketone	79-93-3	20 - 40
Cyclohexanone	108-94-1	20 - 40
Tetrahydrofuran	109-99-9	20 - 40
N-Methyl-2-pyrrolidone	872-50-4	1 - 5
Other ingredients which are classified as not hazardous		to 100%

HEALTH HAZARD INFORMATION

HEALTH HAZARDS

- Inhaled: Will cause irritation to mucous membranes, nose, eyes, throat, and possibly difficulty in breathing. Exposure to high vapor concentrations may cause headaches, dizziness, nausea and narcosis.
- Eye: Liquid and vapour may irritate eyes.
- Skin: Prolonged or repeated contact with the skin may irritate and cause dermatitis.
- Swallowed: Harmful if swallowed, may cause gastric irritation and narcosis. The hazard of solvent aspiration into the lungs may cause severe pulmonary injury and possible death.

FIRST AID

- Inhaled: Remove victim to fresh air, if not breathing employ artificial respiration preferably mouth to mouth. Seek immediate medical assistance.
- Eye: Immediately irrigate with copious quantities of water, for at least 20 minutes, holding the eyelids open. In all cases of eye contamination, it is advisable to seek medical advice.
- Skin: Remove contaminated clothing. Wash affected areas with soap and water immediately.
- Swallowed: If poisoning occurs contact a doctor or Poisons Information Centre. If swallowed, and more than 15 minutes from a hospital, induce vomiting, preferably using Ipecac Syrup APF. If vomiting occurs, place victim's face downwards, head lower than hips to prevent vomit entering lungs. Seek immediate medical assistance.
- Advice to Doctor: Treat symptomatically.

PRECAUTIONS FOR USE

This product is stable and hazardous polymerization will not occur.

THERMAL DECOMPOSITION/HAZARDOUS DECOMPOSITION PRODUCTS:

Irritating fumes emitted.

CONDITIONS TO AVOID INSTABILITY:

Material is stable in closed container with oxygen and light excluded. Inside storage should be in a standard flammable liquids storage room or cabinet. Possible formation of peroxides may cause violent reaction especially upon evaporation to dryness. Unstable peroxide may form upon aging, especially in contact with air.

CONDITIONS TO AVOID HAZARDOUS DECOMPOSITION:

Not applicable.

MATERIALS & CONDITIONS TO AVOID INCOMPATIBILITY:

Oxidizing materials, air (if unstable), Lithium aluminium hydride, sodium aluminum hydroxide, sodium hydroxide, potassium hydroxide.

EXPOSURE LIMITS:

Not established for product. Exposure standards for the hazardous components are as follows (NOHSC - 1995):

Cyclohexanone:	TWA: 25 ppm (100 mg/m ³).
Methyl Ethyl Ketone:	TWA: 150 ppm (445 mg/m ³).
Tetrahydrofuran:	TWA: 200 ppm (590 mg/m ³).

PERSONAL PROTECTION:

Wear chemically resistant gloves, chemical splash goggles. Use approved respiratory protection such as air supplied mask if used in enclosed area.

VENTILATION:

Do not use in confined spaces. Provide adequate ventilation.

SAFE HANDLING

STORAGE AND TRANSPORT:

Storage: Material is dangerous when exposed to heat or flame. Keep container closed when not in use. Do not handle or store near open flame, heat or strong oxidants, adequate ventilation required.

PACKAGING AND LABELLING:

Classified as a Scheduled Poison (S5), Class 3 Flammable Liquid, UN No. 1133 and hazardous substance (harmful, irritant).

Risk Phrases:	R11	Highly flammable.
	R20	Harmful by inhalation.
	R36/37	Irritating to eyes and respiratory system.

SAFE HANDLING (CONTINUED)

Safety Phrases:	S9	Keep container in a well ventilated place.
	S16	Keep away from sources of ignition.
	S23	Do not breathe vapour.
	S25	Avoid contact with eyes.
	S26	In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre.

SPILLS AND DISPOSAL:

Small Spills: Absorb in sand or other non-combustible material. Place in clean drum then flush area with water.

Large Spills: Keep public away, shut off all source of ignition. Warn occupants of down-wind areas of explosion hazard. Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Ventilate area and wash spill site after material pickup is complete. Absorb on sand or vermiculite and place in closed container for disposal. Prevent liquid from entering sewers, watercourse or low areas.

WASTE DISPOSAL METHOD:

Contain spilled liquid with sand or earth. Dilute contained spill with water. Recover free liquid by pumping onto a suitable absorbent. Consult an expert on disposal of recovered material and ensure conformity to local regulations.

FIRE/EXPLOSION HAZARD:

Flash point:	-17°C
Method:	Abel close cup
Flammable Limits:	LEL: 2.0 UEL: 11.8
Auto Ignition Temperature:	321°C

GENERAL HAZARD:

Vapor may travel a considerable distance to source ignition and flashback possible formation of peroxide may cause violent reaction especially upon evaporation to dryness.

FIRE FIGHTING PROCEDURES:

Wear self contained breathing apparatus and chemical goggles.

HAZARDOUS DECOMPOSITION PRODUCT UNDER FIRE CONDITIONS:

Irritating fumes emitted when heated to decomposition.

FIRE FIGHTING MEDIA:

Foam, dry chemical, carbon dioxide, Water spray may be ineffective.

OTHER INFORMATION

CONTACT POINTS

POISONS INFORMATION CENTRE: **131126** (from anywhere in Australia)

POLICE OR FIRE BRIGADE: **000** **EXCHANGE:** **132203**

Name: Lester Jones Title: Operations Manager

Signature: _____ Tel. No.: (02) 9681 3666

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