47Industrial Park, Lilydale, Victoria 3140
Phone: +61 3 97394311 Fax: 039739 4355
admin@athertonchemicals.com.au

Material Safety Data Sheet

1. Product Identification and Company

Company: Atherton Chemicals
Address: 47 Industrial Park Drive, Lilydale 3140
Phone: (03) 9739 4311
Fax: (03) 9739 4355

Emergency: Poisons Information Centre
Phone: 131 126 (Australia)
0800 764 766 (New Zealand)

PRODUCT NAME: **Pool Pro Priming Fluid Red**

PRODUCT USE: A primer for solvent cements used on uPVC pipes.

2. Hazards Identification

HAZARDOUS ACCORDING TO THE CRITERIA OF WORKSAFE AUSTRALIA
Classified as Dangerous Goods according to Australian Dangerous Goods (ADG) Code.
Risk Phrases: R11, R36, R66 and R67. Highly flammable. Irritating to eyes. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness.
Safety Phrases: S2, S9, S16. Keep out of the reach of children. Keep container in a well ventilated place. Keep away from sources of ignition – NO SMOKING.
Health Hazards:
Vapours may cause drowsiness and dizziness. This product may cause moderate irritation to the skin. Repeated exposure may cause skin dryness or cracking. The product is irritating to the eyes. HARMFUL: may cause damage if swallowed.
Signs and Symptoms:
Eye irritation signs and symptoms may include a burning sensation, redness, swelling and/or blurred vision. Defatting dermatitis signs and symptoms may include a burning sensation and/or a dried/cracked skin appearance. Respiratory irritation signs and symptoms may include a temporary burning sensation of the nose and throat, coughing and/or difficulty breathing. If material enters the lungs, signs and symptoms may include coughing, choking, wheezing, difficulty breathing, chest congestion, shortness of breath, and/or fever. Breathing of high vapour concentrations may cause central nervous system (CNS) depression resulting in dizziness, light-headedness, headache, nausea and loss of coordination. Continued inhalation may result in unconsciousness and death.
Aggravated Medical Condition: Pre-existing medical conditions of the following organ(s) or organ system(s) may be aggravated by exposure to this product: Eyes. Respiratory system. Skin.

3. Composition/Information regarding Ingredients

Ingredients	CAS No.	Conc., %	TWA (mg/m³)	STEL (mg/m³)
Methyl Ethyl Ketone	78-93-3	>95%		
Sudan-4	85-83-6	<1	not listed	not listed

Note: This is a commercial product whose exact ratio of ingredients may vary slightly. Minor quantities of other non hazardous ingredients are also possible.

4. First Aid Measures

General Information:
You should call the Poisons Information Centre on 13 1126 (Australia) or 0800 764 766 (New Zealand) if you feel you have been poisoned, burnt or irritated by this product. Have this MSDS with you when you call.
Inhalation: Should inhalation occur, contact the appropriate Poisons Information Centre. Urgent hospital treatment may be needed. Remove the victim from the source of contamination and to fresh air. If breathing is difficult, oxygen may be beneficial if administered by trained personnel, preferably on doctor's advice. Do NOT allow victim to move about unnecessarily. Symptomsof pulmonary oedema may be delayed up to 48 hours after exposure. If in doubt, transport to the nearest medical facility.
Skin Contact: Remove contaminated clothing. Irritation is unlikely. However, if irritation does occur, flush with lukewarm flowing water for 15 minutes or more until irritation desists. Then wash with soap and water.
Eye Contact: Immediately flush the contaminated eye with lukewarm flowing water for 20 minutes while holding the eyelid open. Take care not to rinse contaminated water into the other eye or over the face. Obtain medical attention immediately. Take special care if the contaminated person is wearing contact lenses.
Ingestion: If the product is swallowed or gets into the mouth, do NOT induce vomiting; wash mouth water and give some water to drink. Transport the patient to the nearest medical facility. If vomiting occurs spontaneously, keep the head below the hips to prevent aspiration.

5. Fire Fighting

Clear the fire area of all non-emergency personnel.
Fire and explosion hazards: This product is classified as flammable. There is a risk of explosion if the product is stored in commercial quantities when in a fire. Some vapours from this product are heavier then air and may accumulate in crevices, sumps, pits or other low lying spaces. These vapours could be potentially explosive in areas of fire. Fire decomposition products from this product can include carbon monoxide if incomplete combustion occurs. Take appropriate protective measures.
Extinguishing Media: Alcohol resistant foam is the preferred extinguishing medium but water spray or fog can be used instead. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only. Try to contain spills and do not allow spillage to enter drains or waterways. Do not use a water jet.
Fire Fighting: If a significant quantity of this product is involved in a fire, call the Fire Brigade. There is a danger of a violent reaction or explosion if significant quantities of this product are involved in a fire. The recommended personal protective equipment is a full fire kit with breathing apparatus.

Flash Point:	-4ºC
Upper Explosion Limit:	11.5%vol.
Lower Explosion Limit:	1.8%vol.
Autoignition Temperature:	515ºC
Flammability Class:	3

6. Accidental Release Measures

Accidental release: In the event of a major spill, prevent spillage from entering the drain or waterways. Shut off leaks, if possible without personal risks. Remove all sources of ignition in the surrounding area. Use appropriate containment to avoid environmental contamination. Evacuate the spill area entry to unauthorized or unprotected personnel. Immediately call the Fire Brigade. Wear full protective clothing including face shield, gauntlet gloves and self contained breathing apparatus. See section 8 for appropriate equipment that must comply with these standards. If there is any chance of vapour build up a full face shield is recommended. Usually, a respirator is not necessary when using this product.
Stop any leak if it is safe to do so and contain the spill. Suitable absorbent materials include sand and vermiculite. In cases of large spillage, turn all sources of ignition off and create a dam or dyke to prevent flow from entering drains. Collect and recover all material and return to empty labeled containers. Dispose of according to Local Waste regulations. Should product enter the drains Emergency Services should be informed. Launder all safety equipment before re-use.

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7. Handling and Storage

Handling: Keep exposure of this product to a minimum and use only in a well ventilated area. Wash thoroughly after handling. Follow the advice given under storage and section 8 (personal protection). Avoid contact with the skin. Beware of electrostatic charges which can lead to fire.
Storage: Store in a cool well ventilated area. Do not store near sources of ignition. Do not store with aerosols, oxidizing agents, corrosive agents compounds toxic to man or the environment. Periodically check the containers for leakage. Containers should be kept closed when not in use. Check section 10 for further conditions to avoid.

8. Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment: Respiratory Equipment: **AS/NZS 1715,** Protective Gloves: **AS 2161,** Industrial Clothing: **AS 2919,** Industrial Eye Protection: **AS 1336 and AS/NZS 1337,** Occupational Protective Footwear: **AS/NZS 2210.**

Exposure Limits	**TWA (ppm)**	**STEL (ppm)**
Methyl Ethyl Ketone	150	300

No special equipment is usually needed when occasionally handling small quantities. The following instructions apply to bulk handling or where regular exposure occurs without proper containment systems.
Ventilation: The product should only be used where there is adequate ventilation to keep exposure below the TWA levels.
Eye Protection: Protective safety glasses or goggles should be worn when using this product.
Failure to protect the eyes may result in harm. Emergency eye wash should be available where the product is used.
Skin Protection: Information indicates that the product is not harmful to the skin for most people. However, we suggest that as with handling any chemical suitable gloves should be used when skin contact is possible. For the best skin protection, use butyl rubber or polyvinyl alcohol gloves.
Protective Clothing: We suggest that protective overalls are worn while handling any chemical.
Respirator: Where there is inadequate ventilation we recommend the use of a respirator fitted with a type A cartridge suitable for organic vapours.

9. Physical and Chemical Properties

Physical Description and Colour:	Red liquid.
Odour:	Characteristic odour of MEK
Boiling Point:	79-81ºC
Freezing/Melting Point:	-86ºC
Volatile organic carbon:	66.6% (EC/1999/13)
Vapour Pressure:	9,500Pa @ 20ºC
Vapour Density:	2.4 @ 20ºC
Specific Gravity:	0.804-0.806
Water Solubility:	Soluble at 250g/L
pH:	Not Applicable
Volatility:	100%
Odour Threshold:	No data
Evaporation Rate:	3.7
Oil/Water Coefficient:	No data
Autoignition Temperature:	515ºC

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10. Stability and Reactivity

Reactivity: This product is unlikely to react or decompose under normal storage conditions. However, this product reacts violently with strong oxidizing agents.
Conditions to Avoid: This product should be kept in a cool place, preferably below 30ºC. No other chemicals should be added to this product. Keep containers tightly closed when not in use. Handle and open containers cautiously to avoid spillage. Avoid heat, sparks, open flames and other ignition sources.
Incompatibilities: Strong oxidizing agents.
Fire Decomposition: This product can decompose to carbon dioxide, carbon monoxide and other organic compounds depending on the thermal or oxidative source. With incomplete combustion carbon monoxide may form. These compounds can be fatal.
Polymerization: Polymerization reactions are unlikely.

11. Toxicological Information

Toxicity: ACUTE EFFECTS:

Oral LD50 (rat):	>2g/kg
Inhalation LC50 (rat) :	>20mg/L/4hours
Skin LD50 (rabbit) :	>2g/kg
Skin Irritation:	insufficient to classify
Eye Irritation:	irritating to eyes
CHRONIC (or delayed) EFFECTS:	
Sensitization:	Not a skin sensitizer
Mutagenicity:	Not mutagenic.
Carcinogenicity:	Not expected to be carcinogenic.
OTHER DATA:	May enhance the toxicity of other products.

12. Ecological Information

Acute Toxicity:

Fish:	LC50 >1g/L (Low)
Aquatic Invertebrates:	LC50 >100mg/L (Low)
Algae:	LC50 >1g/L (Low)
Microorganisms:	LC50 >1g/L (Low)

Biodegradation: Readily biodegradable. Oxidizes rapidly by photochemical reactions in the air.
Bioconcentration: Not expected to bioaccumulate in aquatic organisms.

13. Disposal

Disposal: There are many pieces of legislation covering waste disposal and they differ in each State and Territory. Check with your Local Waste Authority as to the correct means of disposal. Certain waste products need to be tracked with proven traceability. Check with the Authority to determine if the product can go to landfill or must be incinerated. Do NOT use the container for any other purpose.

14. Transport Information

UN No.:	1193
Hazchem Code:	2YE
Dangerous Goods Class:	3
Packaging Group:	II

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15. Regulatory Information

AICS: All of the significant ingredients in this product are compliant with NICNAS Regulations.
SUSDP (Poisons Schedule): 5

16. Other Information

CONTACT POINTS

POISONS INFORMATION CENTRE: **131126** (from anywhere in Australia)
POLICE OR FIRE BRIGADE: 000 **EXCHANGE: 132203**

Name: John Spero Title: Development Chemist
0417145022

This MSDS contains only safety related information. For other data see product literature or call the supplier.
Acronyms:
ADG Code: Australian Code for the Transport of Dangerous Goods by Road and Rail.
AICS: Australian Inventory of Chemical Substances.
CAS No.: Chemical Abstracts Service Registry Number.
Hazchem Code: Emergency action code of number and letter that provides information to Emergency Services in case of accidents or fire.
IARC: International Agency for Research on Cancer.
ASCC: Office of Australian Safety and Compensation Council.
NTP: National Toxicology Program (USA).
R-Phrase: Risk Phrase.
SUSDP: Standard for the Uniform Scheduling of Drugs and Poisons.
UN No.: United Nations Number

THIS MSDS SUMMARIZES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THIS PRODUCT AND HOW TO SAFELY HANDLE AND USE THIS PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS MSDS IN THE CONTEXT OF HOW THE PRODUCTWILL BE HANDLED AND USED IN THE WORKPLACE.

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