

Material Safety Data Sheet

Infosafe No™ 1PJ0Y Issue Date : January 2015 ISSUED by PLESSJAL

Product Name : G.O.S. 92

Classified as hazardous

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Chemical Product and Company Identification PEERLESS JAL PTY LTD
10-12 Raglan Street, Preston, Vic, 3072.
Phone: (03) 9416 6700
G.O.S. 92

Product Name G.O.S. 92

Product Type Solvent

Company Name Peerless Jal Pty Ltd (ABN 53 006 489 345)

Address 10-12 Raglan Street Preston
Victoria 3072 Australia

Telephone/Fax Number Tel: (03) 9416 6700
Fax: (03) 9416 8516

Emergency Contact Address Technical Department:
10-12 Raglan Street, Preston, Vic, 3072.
Phone: (03) 9416 6700

Email sales@peerlessjal.com

Recommended Use Graffiti Remover. Use neat, apply by brush or cloth.

2. HAZARDS IDENTIFICATION

Hazard Classification Classified as hazardous
Hazardous according to criteria of Worksafe Australia.

Risk Phrase(s) Classified as hazardous
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R36/38 Irritating to eyes and skin.
R52 Harmful to aquatic organisms.

Safety Phrase(s) S13 Keep away from food, drink and animal feeding stuffs.
S2 Keep out of reach of children.
S24/25 Avoid contact with skin and eyes.
S27 Take off immediately all contaminated clothing.
S29 Do not empty into drains.
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

Methods of Exposure Skin and Eyes.

Irritancy of Product Skin: Can cause itching, redness and scaling. Quickly absorbed through the skin and is capable of transporting other dissolved toxins into the body.
Eyes: Can cause irritation and corneal burns.
Inhalation: Can cause respiratory tract irritation, headache, nausea, dizziness and drowsiness.
Ingestion: Can cause dizziness, drowsiness, nausea, vomiting, cramps and chills.
Delayed Effects: Kidney and Liver damage can occur.

Signs and Symptoms of Exposure May cause dizziness, nausea. Prolonged exposure to skin may cause skin dryness or cracking.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Composition, information on ingredients N-Methyl-2-Pyrrolidone - Solvent
Hydrocarbons - Solvent

Chemical Characterization Liquid

Ingredients	Name	CAS	Proportion	Hazard Symbol	Risk Phrase
	N-Methyl-2-pyrrolidone	872-50-4	30-60 %	Xi	R36/38
	Ethylene glycol monobutyl ether	111-76-2	10-30 %		
	Liquid Hydrocarbons	(Proprietary)	10-30 %		
	Dipentene	138-86-3	5-10 %	Xi	R10, R38
Substance Formal Name	G.O.S 92				
Common Name	Graffiti Remover				

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4. FIRST AID MEASURES

Inhalation	Remove victim from exposure - avoid becoming a casualty. Investigate possible misuse of material. Seek medical attention. If breathing has stopped, apply artificial respiration. If breathing is difficult, give oxygen provided a qualified operator is available. Get immediate medical attention.
Ingestion	If person is conscious, rinse mouth out with water. Patient may drink water or milk to dilute stomach contents. Do not induce vomiting unless directed to do so by a medical personnel. Get immediate medical attention.
Skin	Wash with plenty of soap and water. If swelling, redness, blistering or irritation occurs seek medical advice. Remove contaminated clothing and wash before re-use.
Eye	Remove contact lenses. Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek immediate medical assistance.
First Aid Facilities	Eye wash and normal washroom facilities.
Advice to Doctor	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Carbon Dioxide, Dry Chemical or Foam.
Properties on Heating & in case of Fire	Heat will build pressure within containers and may cause containers to rupture. May form explosive mixtures with air when heated above the flash point.
Precautions in connection with Fire	Wear full protective clothing and NIOHS approved self-contained breathing apparatus with full facepiece.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Always wear recommended personal protective clothing. Eliminate sources of ignition. Isolate the spill area. Contain and recover liquid when possible. Absorb with inert absorbent and place in an approved chemical waste container. Spills and releases may have to be reported to the relevant authorities.
Clean-up Methods - Large Spillages	For large spills, dike up with inert material and transfer into a labelled container. Do not allow to enter sewers or waterways.

7. HANDLING AND STORAGE

Precautions for Safe Handling	Always wear recommended personal protective equipment. Keep away from heat and open flame. Use with adequate ventilation. Avoid contact with skin, eyes and clothing. Do not eat, smoke or drink in the work area. Wash hands thoroughly after use.
Conditions for Safe Storage	Store in a cool, dry, well ventilated area away from heat and sources of ignition and incompatible materials. Keep containers upright and tightly closed. Protect containers physical damage. Do not reuse containers. Empty containers may contain product residues and/or vapors. Label warning may apply to empty containers that have not been cleaned.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	Exposure Guidelines for N-Methylpyrrolidone:- ACGIH TLV None Established. OSHA PEL None Established OTHER LIMIT 10ppm 8hr TWA (Skin contact can invalidate limit values)
Engineering Controls	Use with adequate ventilation. Use local ventilation at product handling or transfer points.
Respiratory Protection	Not required for properly ventilated areas. If there is potential for inhalation of vapor or mist, use an appropriate National Institute of Occupational Health and Safety (NIOHS) approved respirator. The respirator must be selected based on contamination levels and use conditions found in the work place.
Eye Protection	Wear safety glasses with non-perforated sideshields for normal handling. Goggles or a full face shield may be necessary depending on quantity of

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Hand Protection material and conditions of use.
Wear impervious protective clothing, including boots, gloves, lab coat, apron or overalls as appropriate to prevent skin contact.

Personal Protective Equipment Safety Glasses, adequate ventilation [suitable protective materials: butyl rubber, polyethylene.]

9. PHYSICAL AND CHEMICAL PROPERTIES

Form Liquid

Physical and Chemical Properties Liquid

Appearance Clear Colorless to Amber liquid.

Odour Slight Amine.

Solubility in Water Miscible

Specific Gravity 1.04 +/- 0.1

Vapour Pressure Not Known

Flash Point ASTM D93 : 62 Deg C

Flammability Combustible Liquid

10. STABILITY AND REACTIVITY

Stability and Reactivity Stable under normal conditions of use and storage. Avoid heat, flames, ignition sources and incompatible material.

Incompatible Materials Oxidisers and strong acids.

Hazardous Decomposition Products Thermal decomposition may produce carbon monoxide, carbon dioxide, and nitrogen oxides.

Hazardous Polymerization Not expected to occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information For N-Methylpyrrolidone:
IMMEDIATE (ACUTE) EFFECTS:
Oral-Rat LD50: 3914 mg/kg.
Oral-Mouse LD50: 5130 mg/kg.
Dermal Approximate LD50 (rabbit): 4000-8000 mg/kg (intact skin) and 2000-4000 mg/kg (abraded skin).
Dermal Irritation (rabbit): slight irritation, Primary Dermal Irritation Index of 0.5/8.0.
Eye (rabbit): severe irritation.
DELAYED (SUBCHRONIC AND CHRONIC) EFFECTS:
Subchronic:
In a repeated dose study in which mice were fed dietary concentrations of 0, 1,000, 2,500, or 7500 ppm over a 3-month period, concentrations of 2500 and 7500 produced toxic effects of the liver. The study concluded that 1000 ppm was a NOAEL level.
Chronic:
Rats were exposed to vapor concentrations of 0, 40 (10 ppm), or 400 mg/m3 (100 ppm) 6 hr/d, 5 d/wk for 2 years. No life-shortening toxic or carcinogenic effect was observed at any level. The body weight of males exposed to 400 mg/m3 was reduced slightly, while a NOEL was determined to be 40 mg/m3.
OTHER DATA:
Reproductive/Developmental Toxicity:
Three inhalation developmental/reproductive studies in rats showed toxicological effects in the offspring, with a fourth study giving indications of behavioral problems, making that the endpoint of concern. Data from these studies indicate an inhalation NOEL of approximately 100 ppm (400 mg/m3) for reproductive/developmental

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effects in rats.
For rats exposed dermally, the fetal and maternal NOAEL is reported to be 237 mg/kg/day. Developmental effects were observed at the maternally toxic level of 750 mg/kg/day.
Mutagenicity:
Ames Test: Negative
Mouse Micronucleous Test: Negative, after single oral doses up to 3800 mg/kg.
Chinese Hamster Bone Marrow Test: Negative, after single oral doses up to 3800 mg/kg.
Harmful by inhalation, ingestion, or skin absorption; vapor or mist irritates eyes, mucus membranes and upper respiratory tract; causes skin irritation; prolonged exposure can cause stomach pains, vomiting, diarrhea.

**Acute Toxicity -
Inhalation**

12. ECOLOGICAL INFORMATION

Ecological Information No data reported.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations Whatever cannot be saved for recovery or recycling should be managed in an approved waste disposal facility.
Dispose of container and unused contents in accordance with federal, state and local requirements.

14. TRANSPORT INFORMATION

Transport Information Not classified as dangerous goods according to the transport of dangerous goods (ADG) code.

15. REGULATORY INFORMATION

Regulatory Information Classified as hazardous
HAZARDOUS SUBSTANCE.
SCHEDULED POISON.

Poisons Schedule Classified as Hazardous according to criteria of National Occupational Health & Safety Commission, Australia (NOHSC).
Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
S6

Hazard Category Harmful, Irritant.

16. OTHER INFORMATION

Technical Contact Point Technical Department
10-12 Raglan Street,
Preston, Vic, 3072.
Phone: (03) 9416 6700
...End Of MSDS...

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