

SAFETY DATA SHEET

PENATROL



1. SUBSTANCE IDENTIFICATION

PRODUCT NAME	PENTATROL
SUPPLIER NAME	Alphakem Global Pty Ltd
ABN	86 621 159 608
SUPPLIER ADDRESS	PO Box 1354, Sunshine West, VIC 3020
SUPPLIER CONTACT DETAILS	0428 506 665 www.alphakem.com.au
EMERGENCY PHONE	
POISON INFORMATION	13 11 26 (24 hours)
CHEMICAL EMERGENCY	0428 506 665
USE	Adjuvant spraying oil to improve spreading and wetting of herbicides on plant surfaces.

2. HAZARDS IDENTIFICATION

Classified as Hazardous according to GHS criteria

GHS CLASSIFICATIONS	Serious eye damage Category 1 Skin irritation Category 2 Carcinogenicity Category 2 Specific target organ toxicity repeated exposure Category 2 Hazardous to the aquatic environment chronic Category 3
SIGNAL WORD	DANGER
PICTOGRAMS	
HAZARD STATEMENTS	H315 Causes skin irritation. H318 Causes serious eye damage. H351 Suspected of causing cancer. H373 May cause damage to organs through prolonged or repeated exposure. H412 Harmful to aquatic life with long lasting effects.
PREVENTION STATEMENTS	P102 Keep out of reach of children. P103 Read carefully and follow all instructions. P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P260 Do not breathe mist/vapours/spray. P264 Wash face and hands thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P273 Avoid release to the environment.
RESPONSE STATEMENTS	P101 If medical advice is needed, have product container or label on hand. P302 + P352 IF ON SKIN: Wash with plenty of water. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308 + P313 IF exposed or concerned: Get medical advice/ attention. P310 Immediately call a POISON CENTER or doctor/physician.

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2. HAZARDS IDENTIFICATION

	P314 P332 + P313 P362 + P364	Get medical advice/attention if you feel unwell. If skin irritation occurs: Get medical advice/ attention. Take off contaminated clothing and wash before re-use.
STORAGE STATEMENTS	P405	Store locked up. See Section 7.
DISPOSAL STATEMENTS	P501	Dispose of contents/ containers in accordance with relevant regulations. See Section 13.

3. COMPOSITION / INFORMATION ON INGREDIENTS

COMMON NAME	CAS NUMBER	CONCENTRATION g/L
Paraffinic Oil	Proprietary	582 g/L
Alcohol ethoxylate	Proprietary	120 g/L
Nonyl phenol ethoxylate	Proprietary	120 g/L
Aromatic hydrocarbon solvent	Proprietary	<10%
Non-hazardous ingredients	Proprietary	Balance to 100%

4. FIRST AID MEASURES

For advice call the Poison Information Centre (ph 13 11 26) 24 hours or a doctor. If medical advice is needed have product container or label to hand.

EYE CONTACT	Get immediate medical attention. Rinse cautiously for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.
SKIN (or hair) CONTACT	Remove contaminated clothing and flush skin and hair with running water. If skin irritation occurs, get medical advice/ attention.
INHALATION	Remove to fresh air and keep at rest in a position comfortable for breathing. Apply artificial respiration if not breathing. Call doctor if you feel unwell.
INGESTION	Do NOT induce vomiting. Rinse mouth. Call the Poison Information Centre or a doctor if you feel unwell.
NOTES TO DOCTOR	Treat symptomatically.
FIRST AID FACILITIES	Eye wash facilities and safety shower should be available.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA	Foam, dry chemical, carbon dioxide. Do not use water as this can spread the fire. Prevent extinguishing media from entering drains.
THERMAL DECOMPOSITION PRODUCTS	Combustible. Thermal decomposition may produce toxic fumes and compounds.
SPECIAL FIRE FIGHTING METHODS	Self-contained breathing apparatus with full face-piece and protective clothing. Cool fire exposed containers with water spray.
HAZCHEM CODE	Not applicable

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6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Exclude non-essential people from the area. Remove all sources of ignition. Wear Personal Protective Equipment (PPE) as detailed in Section 8 of the SDS.
ENVIRONMENTAL PRECAUTIONS	Prevent product from entering waterways or drains.
SPILLS AND DISPOSAL	Spills may be slippery and should be cleaned up immediately. Contain spillage, then cover / absorb with inert, non-combustible absorbent material (attapulgate or similar). Collect and place in suitable sealed, labelled containers for disposal. Wash area with water and absorb with further inert material. See Section 13 for details on disposal.

7. HANDLING AND STORAGE

PRECAUTIONS FOR HANDLING	Carefully read the label before use. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands and face before eating. Prohibit eating, drinking and smoking in contaminated areas.
STORAGE	Store in original container, tightly closed, in a locked, dry, cool and well-ventilated area and avoid direct sunlight. Store away from foodstuffs, fertilisers or seeds. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS	Australian Workplace Exposure Standard Oil mist, mineral TWA: 5mg/m3
EYE PROTECTION	Wear eye/face protection.
RESPIRATORY PROTECTION	Respiratory protection is not required if good ventilation is maintained. Where an inhalation risk exists, wear a Type A (Organic-Vapour) respirator.
PROTECTIVE CLOTHING	Wear chemically resistant gloves, coveralls, socks and chemical-resistant footwear.
ADDITIONAL PROTECTION	Consult the companion herbicide label for instructions on additional protection required.
ENGINEERING CONTROLS	No special ventilation is required. Oil coatings on equipment and floors are slippery and may lead to injury due to falls. Use non-skid aids where spills may occur.
HYGIENE PRECAUTIONS	Do not eat, drink or smoke while working with this product. Remove clothing that becomes soaked or contaminated and wash before reuse. Wash hands and face before breaks and after work.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE / STATE/ ODOUR	Clear pale yellow liquid.
BOILING POINT	Not Available.
DENSITY	0.89 g/ml @ 25°C (typical)
DECOMPOSITION TEMPERATURE	Not Available.
FLASHPOINT	Not Applicable.

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9. PHYSICAL AND CHEMICAL PROPERTIES

EXPLOSION PROPERTIES	Not Applicable.
SOLUBILITY	Emulsifies in water.
pH (1% solution)	6.5 – 7.5
SETTING POINT	Not Applicable.
AUTOIGNITION TEMP	Not Applicable.
VAPOUR DENSITY	Not Available.
VAPOUR PRESSURE	Not Available.
VISCOSITY	Not Available.
OCTANOL / WATER PARTITION COEFFICIENT	Not Available

10. STABILITY AND REACTIVITY

STABILITY	Stable under normal conditions.
CONDITIONS TO AVOID	Excessive heat and ignition sources.
MATERIALS TO AVOID	Strong acids/bases. Oxidising and reducing agents.
HAZARDOUS DECOMPOSITION PRODUCTS	Thermal decomposition may produce toxic fumes and compounds.

11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS	No toxicity data available for finished product.
ORAL TOXICITY	LD50 (rat) 1310 mg/kg for nonyl phenyl ethoxylate. LD50 (guinea pig) 384 mg/kg for ethoxylated alcohol.
DERMAL TOXICITY	No information.
INHALATION TOXICITY	No information.
EYE CORROSION / IRRITANCY	Causes serious eye damage.
SKIN CORROSION / IRRITANCY	Causes skin irritation.
CHRONIC EFFECTS	
CARCINOGENICITY	Suspected of causing cancer.
REPRODUCTIVE TOXICITY	No information.
GERM CELL MUTAGENICITY	No information.
ASPIRATION	No information.
STOT/SE	No information.
STOT/RE	May cause damage to organs through prolonged or repeated exposure.
NARCOTIC EFFECTS	No information.

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12. ECOLOGICAL INFORMATION

TOXICITY	Harmful to aquatic life with long lasting effects.
PRECAUTIONS	This product must not be applied directly into or onto water. Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the area of application. Avoid contamination of any waterways with product or empty container.
ECOTOXICITY INFORMATION	LC50 (96hr, rainbow trout) 0.315 mg/L for aromatic hydrocarbon solvent
BIOACCUMULATIVE	No information
READILY DEGRADABLE	No information

13. DISPOSAL CONSIDERATIONS

Do not contaminate streams, rivers or waterways with the chemical or the used container.	
PRODUCT DISPOSAL	Dispose of by using product as intended, according to the label directions. If this is not possible, for small amounts, absorb with inert, non-combustible absorbent material (attapulgate or similar). Collect and place in a sealable, labelled container and safely dispose of at an approved landfill. For large amounts contact your supplier or chemical recycling facility. Consult your local authority for disposal.
CONTAINER DISPOSAL	Triple rinse container and add residue to spray tank. Do NOT burn. Do not use the container for any other purpose. Dispose at an approved landfill.

14. TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD ACCORDING TO THE AUSTRALIAN CODE OR THE TRANSPORT OF DANGEROUS GOODS BY ROAD AND RAIL.

15. REGULATORY INFORMATION

APVMA REGISTRATION	60387
	See APVMA website for registration conditions www.apvma.gov.au
POISON SCHEDULE	5
INVENTORY	Australian Inventory of Chemical Substances.
STATUS	Components Listed

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16. OTHER INFORMATION

SDS ISSUE DATE	14 March 2022
SDS REVIEW DATE	March 2027
REFERENCES	Supplier SDS Safe Work Australia – Workplace Exposure Standards Australian Pesticides and Veterinary Medicines Authority
ABBREVIATIONS	
APVMA	Australian Pesticides and Veterinary Medicines Authority
CAS Number	Chemical Abstract Service Number - used to uniquely identify chemical compounds
g/L	Grams per litre
GHS	Globally Harmonised System
HSNO	Hazardous Substances and New Organisms
LC50	Lethal Concentration, 50% / Median Lethal Concentration
LD50	Lethal Dose, 50% / Median Lethal Dose
mg/m ³	Milligrams per cubic metre
STEL	Short Term Exposure Limit
WES	Workplace Exposure Standard
IMDG	International Maritime Dangerous Goods
IATA	International Air Transport Association
TLV	Threshold Limit Value
TWA	Time Weighted Average
OEL	Occupational Exposure Limit

The data given here is based on current knowledge and experience. The purpose of this safety data sheet is to describe the products in terms of their safety requirements. The data does not signify any warranty with regard to the products properties.

End of Safety Data Sheet