



SAFETY DATA SHEET

Vulcan NP18 (HSE No.: 7420)

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Revision No. 1

Issue date: 17 August 2005

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product name	Vulcan NP18
Company	PelGar International Ltd Unit 13, Newman Lane Industrial Estate, Newman Lane, Alton, Hampshire GU34 2QR
Telephone	Tel +44 (0) 1420 80744
Telefax	Fax +44 (0) 1420 80733
Product code	105

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components	Petroleum Distillates Hydrotreated Light Oil 90-100% CAS: 64742-47-8 Xn;R65
	Pyrethrins including cinerins 0-0.5% Xn;R20 Xn;R21 Xn;R22 N;R50/53

3. HAZARDS IDENTIFICATION

Most important hazards	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Harmful: may cause lung damage if swallowed.
Specific hazards	Product can accumulate static charges which can cause an incendiary electrical discharge. Material can form flammable mixtures or can burn only if heated to temperatures at or above the flash point.

4. FIRST AID MEASURES

Skin contact	May cause skin irritation in susceptible persons. Remove contaminated clothing Wash off immediately with soap and plenty of water. If irritation persists obtain medical attention Contaminated clothing should be washed and dried before re-use
Eye contact	Rinse immediately with plenty of water for at least 15 minutes. If irritation persists obtain medical attention
Inhalation	Inhalation of mist or spray, may cause irritation of the respiratory system. Move to fresh air. Obtain medical advice immediately.
Ingestion	Do not induce vomiting. If conscious give a small amount of milk or water to drink and obtain medical attention. Show the container label or this safety data sheet to the doctor
General advice	In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Keep fire exposed containers cool by spraying with water if exposed to fire. Fight surrounding fire with foam, dry chemical, water spray or mist.
Extinguishing media which must not be used for safety reasons	Do not use water jets
Specific hazards	Combustible material. Fire may cause toxic fumes (oxides of carbon) to evolve. Avoid spraying water directly into storage containers due to danger of boilover.

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Special protective equipment for firefighters In the event of fire, wear a self-contained breathing apparatus and a chemical protection suit, gloves and boots.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Wear suitable protective clothing, gloves and eye/face protection. See section 8. Keep public away..

Environmental precautions Prevent further leakage or spillage if safe to do so. Contain or absorb leaking liquid with earth or sand. Prevent liquid entering watercourses, sewers or basements. Prevent product from entering drains. If substance has entered a watercourse or sewer or contaminated soil or vegetation, inform the appropriate authority.

Methods for cleaning up Soak up with inert absorbent material. Transfer to a suitably labelled container. Subsequently, wash the contaminated area with water, or detergent and water, taking care to prevent the washings from entering surface water drains. For large spills, recover by pumping (use an explosion proof or hand pump).

7. HANDLING AND STORAGE

Handling Material will accumulate static charge, which may cause an electrical spark (ignition source). Take precautionary measures against static discharges Do not apply in the presence of naked flames, hot surfaces or unprotected electrical equipment. Ensure all equipment is electrically grounded before beginning transfer operations Container remains hazardous when empty. Continue to observe all precautions. The product is flammable but not readily ignited. Vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air. Keep away from open flames, hot surfaces and sources of ignition - No smoking.

If splashing is likely to occur wear approved eye protection. If spray mists are likely, wear a suitable approved respirator.

If skin contact is likely to occur wear rubber gloves and suitable impervious protective clothing. Use in a well ventilated area where possible. Always use good personal hygiene procedures when handling chemicals. Do not smoke eat or drink while handling this product. Wash hands, face and exposed skin after using, and before eating, drinking or smoking. Read the label before use.

Keep product and empty container away from heat and sources of ignition.

Storage Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from food and animal feedstuffs Store in accordance with Health and Safety Executive's Guidance Note HSG71 Keep away from oxidising agents Keep away from sources of ignition.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit(s) Petroleum Distillates Hydrotreated Light Oil
TWA(ppm):300

Engineering measures The use of mechanical (explosion proof) dilution ventilation is recommended whenever this product is used in a confined space.

Respiratory protection Suitable approved respirator if exposed to spray mists

Hand protection Rubber or plastic gloves

Eye protection If splashes are likely to occur, wear: goggles

Skin and body protection impervious clothing, boots

9. PHYSICAL AND CHEMICAL PROPERTIES

Colour light yellow

Odour aromatic

Boiling point/range 200 - 250°C

Flash point 70°C

Viscosity No data

10. STABILITY AND REACTIVITY

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Stability	Stable under normal conditions.
Conditions to avoid	Heat, flames and sparks.
Materials to avoid	strong oxidising agents strong bases
Hazardous decomposition products	carbon oxides smoke

11. TOXICOLOGICAL INFORMATION

Acute toxicity	ORL RAT LD50 > 2000 mg/kg (calculated) DERMAL RAT LD50 > 4000mg/kg (calculated) Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Vapour concentrations above recommended exposure levels might be irritating to eyes and the respiratory tract.
Sensitisation	May cause sensitisation of susceptible persons by skin contact
Repeated or prolonged exposure	Repeated or prolonged skin contact may cause skin irritation and/or dermatitis and sensitisation of susceptible persons.
mutagenic effects	Not available
carcinogenic effects	Not available

12. ECOLOGICAL INFORMATION

Ecotoxicity effects	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
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13. DISPOSAL CONSIDERATIONS

General Information	Dispose of as hazardous waste in compliance with local regulations.
Contaminated packaging	Dispose of as unused product.

14. TRANSPORT INFORMATION

Not classified as dangerous for transport.

15. REGULATORY INFORMATION

Symbol(s):	Xn - Harmful 
R-phrase(s)	R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65 - Harmful: may cause lung damage if swallowed.
S-phrase(s)	To avoid risks to man and the environment, comply with the instructions for use. S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

16. OTHER INFORMATION

Text of R phrases mentioned in Section 2	R20 - Harmful by inhalation. R21 - Harmful in contact with skin. R22 - Harmful if swallowed. R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R65 - Harmful: may cause lung damage if swallowed.
Recommended restrictions	Insecticide for professional use only.
Sources of key data used to compile the datasheet	CHIP 2002 EH40 Raw material suppliers Safety Data Sheets.