



SAFETY DATA SHEET

Vulcan NP200 (HSE No.: 7436)

Page 1 of 4

Revision No. 2

Issue date: 19 December 2006

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

Product name	Vulcan NP200
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	106

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components	Pyrethrum Pale Extract (25%) 12% Xn;R20 Xn;R21 Xn;R22 N;R50/53
	Piperonyl butoxide 15% CAS: 51-03-6 EINECS: 200-076-7 N;R50/53
	Surfactant Blend >25% Xi;R41

3. HAZARDS IDENTIFICATION

Most important hazards Risk of serious damage to eyes. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Specific hazards

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.
Specific hazards	This product is not flammable. Fire may cause oxides of carbon and nitrogen to evolve.

Vulcan NP200

Page 2 of 4

Revision No. 2

Issue date: 19 December 2006

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.

7. HANDLING AND STORAGE

Handling 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 out of the reach of children. Keep away from food, drink and animal feeding stuffs. Keep only in original container. Keep container tightly closed and in a safe place.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures .

Respiratory protection Suitable approved respirator if exposed to spray mists. (Compulsory when spraying)

Hand protection Rubber or plastic gloves. (Compulsory when using)

Eye protection Safety Goggles / Face Shield recommended. (Compulsory when using)

Skin and body protection Impervious clothing, boots. (Compulsory when using)

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Clear, yellow, Liquid

Odour Characteristic

Solubility in Water Soluble

pH 6 - 8

Relative Density 0.98 – 1.00

10. STABILITY AND REACTIVITY

Stability Stable under normal conditions.

Materials to avoid Strong acids and strong bases. Avoid mixing with other chemicals unless instructed to do so.

11. TOXICOLOGICAL INFORMATION

Acute toxicity ORL RAT LD50 584–900mg/Kg (pyrethrum).
DERMAL RABBIT LD50 > 5000mg/Kg (pyrethrum)

Primary irritation Risk of serious damage to eyes. May cause skin irritation.

Sensitisation May cause skin sensitisation in susceptible individuals

Vulcan NP200

mutagenic effects Not available

carcinogenic effects Not available

12. ECOLOGICAL INFORMATION

Ecotoxicity effects Toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.
Acute fish toxicity: 96Hr LC₅₀=Pyrethrum 39mg/L (salmon), 114mg/L (catfish).
Acute fish toxicity: 24Hr LC₅₀=Piperonyl Butoxide 5.3mg/L (carp), 6.12mg/L (rainbow trout)

Persistence and degradability Biodegradable

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

ADR/RID

Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. **UN-No** 3082

Packing group III **Class** 9

Hazard ID 90

IMO

UN-No 3082 **Packing group** III

Class 9 **Marine pollutant** NO

EmS F-A S-F

IATA-DGR

Sub-risks - **packaging** 914

UN-No 3082 **Packing group** III

Class 9

15. REGULATORY INFORMATION

Symbol(s): Xi - Irritant; N - Dangerous for the environment



R-phrases(s) R41 - Risk of serious damage to eyes.
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s) To avoid risks to man and the environment, comply with the instructions for use.
S 2 - Keep out of the reach of children.
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 - After contact with skin, wash immediately with plenty of soap and water.
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection.
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show label where possible).
S61 - Avoid release to the environment. Refer to special instructions/safety data sheets.

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.
R41 - Risk of serious damage to eyes.

Vulcan NP200

Page 4 of 4

Revision No. 2

Issue date: 19 December 2006

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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.

Replaces Revision No.: 1 Changes to Section 2. Changes in classification of piperonyl butoxide.