

Material Safety Data Sheet

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

Identification of the substance or preparation

Product name: Pan Glory

MAPP No.: 14487

Company/Undertaking Identification

Company: Pan Amenity Ltd

Address: 8 Cromwell Mews, Station Road, St Ives, Cambs, PE2 5HJ

Tel: 01480 467790 Fax: 01480 467041 Emergency telephone number:

2. HAZARDS IDENTIFICATION

Classification

Xn - Harmful N - Dangerous for the environment

Most important hazards

Harmful if swallowed. Risk of serious damage to eyes.

May cause sensitization by skin contact

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature of the preparation

Components	CAS-No	Weight %	EC-No.	Classification
Mecoprop-P	16484-77-8	> 25%	240-539-0	N;R51/53, Xi;R41, Xn;R22
Carfentrazone	128639-02-1	1 - 5%	USA184	N;R50/53

NE = Non-Established

For the full text of the R phrases mentioned in this Section, see Section 16

4. FIRST AID MEASURES

General advice: In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Ingestion: If conscious, drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician.

Inhalation: Move to fresh air. If symptoms persist, call a physician.

Skin contact: Wash off immediately with soap and plenty of water. Remove and wash contaminated clothing before re-use. If symptoms persist, call a physician.

Eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Carbon dioxide (CO₂). Foam. Powder.

Unsuitable extinguishing media: Water

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases: Danger of toxic gases in smoke in case of fire

Special protective equipment for firefighters: Self-contained breathing apparatus and suitable protective clothing.

Specific methods: Dike and collect water used to fight fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid contact with skin and eyes. Use personal protective equipment.

Environmental precautions: Should not be released into the environment.

Methods for cleaning up: Avoid dust formation. Moisten and remove. Neutralise non-recoverable product with a solution of caustic or soda ash, and an appropriate alcohol (methanol, ethanol or isopropanol).

7. HANDLING AND STORAGE

Handling:

Technical measures/precautions: Ensure adequate ventilation.

Safe handling advice: Avoid contact with skin and eyes. Avoid dust formation.

Storage:

Technical measures/storage conditions: Store in original container. Keep tightly closed in a dry, cool and well-ventilated place. Keep away from sources of ignition - No smoking. Keep out of reach of children. Keep away from food, drink and animal feeding stuffs.

Incompatible products: No information available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures to reduce exposure: Ensure adequate ventilation. Provide appropriate exhaust ventilation at places where dust is formed.

Occupational exposure controls

Personal protective equipment

Respiratory protection: Respirator with FFP3 filter.

Hand protection: Chemical resistant gloves. Nitrile rubber. Neoprene gloves.

Eye/face protection: Safety glasses with side shields or goggles.

Skin and body protection: Impervious clothing.

Hygiene measures: Wash hands and exposed skin after use / handling. When using, do not eat, drink or smoke.

Exposure limit values

9. PHYSICAL AND CHEMICAL PROPERTIES

General Information

Physical State: Solid

Appearance: Granules

Colour: Brown

Odour: Slight, phenolic

Important Health Safety and Environmental Information

Other information

pH: 7.68 (1 % solution in water.)

Specific gravity: 0.58 - 0.68 g/ml

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.

Conditions to avoid: Keep away from heat and ignition sources.

Materials to avoid: No information available

Hazardous decomposition products: Carbon monoxide (CO). Carbon dioxide (CO₂). Hydrogen fluoride. Hydrogen chloride. Nitrogen oxides (NO_x).

11. TOXICOLOGICAL INFORMATION

Component information

Mecoprop-P

LD50/oral/rat 1050mg/kg LD50/dermal/rat >4000mg/kg

LC50/inhalation/4h/rat >5.6mg/l

Carfentrazone

LD50/oral/rat >5000mg/kg LD50/dermal/rat >5000mg/kg

LC50/inhalation/4h/rat >5.09mg/l

Product information

LC50/inhalation/4h/rat >5mg/l LD50/dermal/rat >2000mg/kg

LD50/oral/rat 1464mg/kg

Local effects

Skin effects: Non-irritating to the skin.

Eye effects: May cause severe ocular lesions.

Inhalation: No information available.

Ingestion: Harmful if swallowed.

Sensitization: May cause sensitization by skin contact.

12. ECOLOGICAL INFORMATION

Product information

Aquatic toxicity: Very toxic to aquatic organisms

May cause long-term adverse effects in the aquatic environment

EC50/72h/algae 0.4mg/l. LC50/96h/rainbow trout 35.4mg/l.

EC50/48h/daphnia 141mg/l.

Component information

Mecoprop-P Ecotoxicity Effects

EC50/48h/daphnia >91mg/l LC50/96h/rainbow trout >100mg/l

EC50/72h/algae 270mg/l

Carfentrazone Ecotoxicity Effects

EC50/48h/daphnia >9.8mg/l LC50/96h/rainbow trout 1.6mg/l

EC50/72h/algae 0.012mg/l

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Do not contaminate ponds, waterways or ditches with chemical or used container. Do not empty into drains. Dispose of in accordance with local regulations and national regulations.

Contaminated packaging: Do not re-use container for any other purpose and dispose of safely, in accordance with local and national regulations.

14. TRANSPORT INFORMATION

Product information

Physical State: Solid

ADR/RID • UN-No: 3077

Proper shipping name: Environmentally Hazardous Substance Solid N.O.S.(Mecoprop-P, Carfentrazone-ethyl)

Hazard Class: 9 **Packing group:** III

IATA • UN-No: 3077

Proper shipping name: Environmentally Hazardous Substance Solid N.O.S.(Mecoprop-P, Carfentrazone-ethyl)

Hazard Class: 9 **Packing group:** III

IMO / IMDG • UN-No: 3077

Proper shipping name: Environmentally Hazardous Substance Solid N.O.S.(Mecoprop-P, Carfentrazone-ethyl)

Hazard Class: 9 **Packing group:** III

15. REGULATORY INFORMATION

Indication of danger:

N - Dangerous for the environment.

Xn - Harmful.

R - phrase(s)

R22 - Harmful if swallowed.

R41 - Risk of serious damage to eyes

R43 - May cause sensitization by skin contact.

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

S - phrase(s)

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.

S29 - Do not empty into drains. S39 - Wear eye/face protection.

S46 - If swallowed, seek medical advice immediately and show this container or label.

S57 - Use appropriate container to avoid environmental contamination.

S24/25 - Avoid contact with skin and eyes.

S37/39 - Wear suitable gloves and eye/face protection.

16. OTHER INFORMATION

Text of R Phrases mentioned in Section 3

R22 - Harmful if swallowed. R41 - Risk of serious damage to eyes.

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

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.