

SAFETY DATA SHEET

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Permost 0.5 % Dust

Revision No. 0

Revision Date

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

Product name Permost 0.5 % Dust

Company Hockley International Ltd
Hockley House
354 Park Lane
Poynton
Stockport
SK12 1RL

Telephone 01625 878590

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components	Conc.	CAS	EINECS	Risks
Permethrin (ISO)	0 - 5%	52645-53-1	258-067-9	Xn;N;R20/22-43-50/53
Calcium Silicate	1 - 5%	1344-95-2		
Talc	90 - 100%	14807-96-6		

3. HAZARDS IDENTIFICATION

Most important hazards Irritating to eyes and skin. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

4. FIRST AID MEASURES

Skin contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Inhalation Move to fresh air. Consult a physician.

Ingestion Immediate medical attention is required. Do not induce vomiting without medical advice. Immediately give large quantities of water to drink.

General advice First aider needs to protect himself. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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5. FIRE-FIGHTING MEASURES

Suitable extinguishing media	Carbon dioxide (CO ₂). Dry powder. Foam. Water spray.
Extinguishing media which must not be used for safety reasons	High volume water jet.
Specific hazards	Burning produces compounds of carbon, nitrogen, and sulphur. . Do not release chemically contaminated water into drains, soil or surface water. Take care to retain water used for extinguishing and dispose of according to local regulations.
Special protective equipment for fire-fighters	In the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Ensure adequate ventilation. Use personal protective equipment.
Environmental precautions	Avoid subsoil penetration. Do not allow material to contaminate ground water system. Do not contaminate surface water. Do not let product enter drains. Prevent further leakage or spillage if safe to do so.
Methods for cleaning up	Soak up with inert absorbent material and dispose of as hazardous waste.

7. HANDLING AND STORAGE

Handling	Avoid contact with skin and eyes. Do not breathe vapours or spray mist. Do not eat, drink or smoke when using this product.
Storage	Keep locked-up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep at temperatures below 30°C. Keep away from food, drink and animal feeding stuffs. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limit(s)		
Calcium silicate respirable	WEL 8-hr limit ppm: - WEL 15 min limit ppm: -	WEL 8-hr limit mg/m ³ : 4 WEL 15 min limit mg/m ³ : -
Talc, respirable dust	WEL 8-hr limit ppm: - WEL 15 min limit ppm: -	WEL 8-hr limit mg/m ³ : 1 WEL 15 min limit mg/m ³ : -
Engineering measures	Ensure adequate ventilation, especially in confined areas.	
Respiratory protection	Suitable mask with particle filter P3 (European Norm 143).	
Hand protection	PVC or other plastic material gloves.	
Eye protection	Face-shield. Goggles.	
Skin and body protection	Complete suit protecting against chemicals. Rubber or plastic boots.	

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9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Powder.
Colour	White.
Odour	None.
pH	6.5 - 7.5
Flash point	100°C
Flammability (solid, gas)	Not Flammable
Explosive properties	None
Oxidizing properties	None
Vapour pressure	0.5 nPa @ 70°C
Relative density	0.60 +/- 0.05 @ 20°C
Water solubility	low.
Autoignition temperature	> 450°C

10. STABILITY AND REACTIVITY

Stability	Stable under normal conditions. Stable under recommended storage conditions. Decomposition starting from 100°C.
Conditions to avoid	None.
Materials to avoid	Acids. Alkali metals. Strong oxidizing agents.
Hazardous decomposition products	Carbon monoxide. Carbon oxides. Nitrogen oxides (NOx). Sulphur oxides.

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11. TOXICOLOGICAL INFORMATION

Toxicological information

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LD50/oral/mouse = > 10,000 mg/kg

LD50/dermal/rat = > 10,000 mg/kg

LD50/oral/rat = > 10,000 mg/kg

LD50/dermal/rabbit = > 10,000 mg/kg

LC50/inhalation/ 4 h/rat = > 250.0 mg/l

Primary irritation	Irritating to eyes and skin.
Sensitization	May cause sensitisation by skin contact.
Repeated or prolonged exposure	Prolonged exposure causes local irritation of skin and mucous membranes, especially to the eyes. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons.
mutagenic effects	None.
carcinogenic effects	None.
Reproductive toxicity	None.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

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EC50/48h/daphnia = 0.12 mg/l

LC50/96h/rainbow trout = 0.50 mg/l

LC50/48h/bluegill sunfish = 0.36 mg/l

Mobility	Mobile in most soils.
Persistence and degradability	Water endangering.
Further Information	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Toxic to bees.

13. DISPOSAL CONSIDERATIONS

Specific methods	Can be incinerated, when in compliance with local regulations. Can be landfilled after chemical and physical treatment, when in compliance with local regulations.
Contaminated packaging	Empty containers can be landfilled after cleaning, when in compliance with local regulations.

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14. TRANSPORT INFORMATION

ADR/RID

UN-No	3077	Packing group	III
Class	9	Hazard ID	90
Proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (contains Permethrin)		

IMDG-Code

UN-No	3077	Packing group	III
Class	9	Marine pollutant	YES
EmS	F-A S-F		

IATA-DGR

UN-No	3077	Packing group	III
Class	9	Sub-risks	-
Packing instruction (cargo aircraft)	911	Maximum quantity	NO LIMIT
Packing instruction (passenger aircraft)	911	Maximum quantity	NO LIMIT

15. REGULATORY INFORMATION

Symbol(s)

N - Dangerous for the environment



R-phrases

R36/38 - Irritating to eyes and skin.
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases

S 1/2 - Keep locked up and out of the reach of children.
S13 - Keep away from food, drink and animal feedingstuffs.
S22 - Do not breathe dust.
S29 - Do not empty into drains.
S46 - If swallowed, seek medical advice immediately and show this container or label.

16. OTHER INFORMATION

Text of R phrases

R20/22 - Harmful by inhalation and if swallowed.

mentioned in Section 2

R43 - May cause sensitization by skin contact.

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