

SAFETY DATA SHEET

1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product name : PELTRACOM 225L STANDARD

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the mixture : Substrate for horticulture and agriculture

1.3 Details of the supplier of the safety data sheet

Supplier : HUMIBOX (M) SDN. BHD.
Lot 1033, Tingkat 3, Batu 7,
Jalan Ipoh, 68100, Batu Caves,
Selangor D.E., Malaysia.
Tel: +603-6185 1898

2. Composition/information on ingredients

2.1 Substances

Main substance of potting soil: 100% natural *Sphagnum* peat moss

2.2 Mixtures

Main substance: 15% black *Sphagnum* peat moss
85% white *Sphagnum* peat moss

3. Hazards identification

3.1 Classification of the substance or mixture

The mixture is not classified according Directive 1999/45/EC

Physical/Chemical hazards:

Natural black peat : not applicable

Natural white peat : not applicable

Human health hazards:

Natural black peat: Inhalation over long periods of high amounts of any nuisance dust may overload lung clearance mechanism, irritate mucous membrane and make lungs more vulnerable to respiratory disease.

Natural white peat : Inhalation over long periods of high amounts of any nuisance dust may overload lung clearance mechanism, irritate mucous membrane and make lungs more vulnerable to respiratory disease.

Environmental hazards:

Natural black peat : not applicable

Natural white peat : not applicable

4. First aid measures

4.1 Description of first aid measures

Inhalation:

Natural black peat: Avoid breathing dust. If inhaled, remove to fresh air.

Natural white peat: Avoid breathing dust. If inhaled, remove to fresh air.

Skin:

Natural black peat: No known hazard

Natural white peat: No known hazard

Eye:

Natural black peat: Dust particles may cause minor eye irritation. In case of contact, flush eyes with a copious amount of water.

Natural white peat: Dust particles may cause minor eye irritation. In case of contact, flush eyes with a copious amount of water.

Ingestion:

Natural black peat: No known significant effects or critical hazards.

Natural white peat: No known significant effects or critical hazards.

Natural white peat: No known significant effects or critical hazards.

5. Fire-fighting measures

5.1 Extinguishing media:

Standard fire-fighting agents, such as water...

5.2 Special hazards arising from the substance or mixture

No special hazard

5.3 Advice for fire-fighters

Standard protection. Caution, burning may continue inside bags or piles after surface fire is out. Break bags or separate pile to assure that the fire is extinguished. The thermal decomposition products are those commonly observed with natural products such as wood or other vegetable matter.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

If excessive dust is created, avoid breathing dust by using adequate ventilation or CE-approved respirator for nuisance dust of this type.

6.2 Environmental precautions

Avoid dispersal of spilled material and run-off and direct contact with waterways, surface water, drains and sewers.

6.3 Methods and material for containment and cleaning up

Waste of this product is not defined as hazardous. Place spilled material in an appropriate container for disposal or incorporation into soils or garden. Avoid all possible sources of ignition. Avoid creating dusty conditions and prevent wind dispersal.

7. Handling and storage

7.1 Precautions for safe handling

Avoid creating dust when handling and prevent wind dispersal.
Avoid all possible sources of ignition.

7.2 Conditions for safe storage, including any incompatibilities

Avoid contact with combustible materials.
Prevent excessive moisture pick-up.

7.3 Specific end use

The potting soil is meant to be used as a growing media for horticultural purposes (vegetables, flowers, trees etc.)

8. Exposure controls/personal protection

8.1 Control parameters

Main components: natural black peat & natural white peat
Occupational exposure limits: TWA 3mg/m³ 8 hours (respirable fraction) ; TWA 10mg/m³ 8 hours (inhalable fraction).

8.2 Exposure controls

Appropriate engineering controls:
Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below recommended exposure limits.

Individual protection measures, such as personal protective equipment:

Personal protection:
Use appropriate protective clothing

Eye protection:
Protective eye wear (safety glasses) should be worn where dust levels are high enough to cause irritation.

Hand protection:

Use protective gloves or normally not necessary but suggest to be appropriately protected in cases of open wounds.

Respiratory protection:

If dust is created use CE-approved respirator for nuisance dust of this type. Respirator selection must be based on known or anticipated exposure levels, the hazards of the products and the safe working limits of the selected respirator.

Thermal hazards:

None

Environmental exposure controls:

Not applicable

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

| | |
|---|--------------------------|
| Appearance: | Solid, earthy |
| Colour: | Dark brown to black |
| Odour: | Earthy odour |
| pH: | 5.5-6.5 |
| Melting point: | Not applicable |
| Freezing point: | Not applicable |
| Boiling point: | Not applicable |
| Flash point: | Not applicable |
| Evaporation rate: | Not applicable |
| Flammability: | Not applicable |
| Explosive limits: | Not applicable |
| Vapour pressure: | Not applicable |
| Relative density | 190-310kg/m ³ |
| Solubility: | Not applicable |
| Partition coefficient: (Octanol/Water) | Not applicable |
| Auto-ignition temperature: | 260°C |
| Decomposition temperature: | >50°C |
| Viscosity: | Not applicable |
| Explosive properties: | Not applicable |
| Oxidising properties: | Not applicable |

10. Stability and reactivity

10.1 Reactivity

Not applicable

10.2 Chemical stability

Stable

10.3 Possibility of hazardous reactions

Hazardous polymerization: none known

10.4 Conditions to avoid

None known

10.5 Incompatible materials

Strong acids

10.6 Hazardous decomposition products

Do not occur except during pyrolysis. See 5.

11. Toxicological information

11.1 Information on toxicological effects

| | |
|---------------------------|--|
| Acute toxicity | No known significant effects or critical hazards |
| Irritation | Dust particles may cause slight irritation during inhalation or minor eye irritation |
| Corrosivity | No known significant effects or critical hazards |
| Sensitisation | Dust particles may cause slight irritation during inhalation or minor eye irritation |
| Repeated dose toxicity | No known significant effects or critical hazards |
| Carcinogenicity | No known significant effects or critical hazards |
| Mutagenicity | No known significant effects or critical hazards |
| Toxicity for reproduction | No known significant effects or critical hazards |

Delayed and immediate effects as well as chronic effects from short and long-term exposure: No known significant effects or critical hazards

Interactive effects: No known significant effects or critical hazards

12. Ecological information

12.1 Toxicity

Ecotoxicity: No known significant effects or critical hazards

12.2 Persistence and degradability

No known significant effects or critical hazards

12.3 Bio accumulative potential

No known significant effects or critical hazards

12.4 Mobility in soil

Not applicable

12.5 Results of PBT and vPvB assessment

Not applicable

12.6 Other adverse effects

Not applicable

13. Disposal considerations

13.1 Waste treatment methods

Waste of this product is not defined as hazardous. Place spilled material in an appropriate container for disposal or incorporated into soils or garden. Avoid all possible sources of ignition. Avoid creating dusty conditions and prevent wind dispersal.

14. Transport information

Not regulated.

Not classified as hazardous material according to UN Orange Book and international transport codes (ADR (road), RID (rail), AND (inland waterways), IMDG (sea), ICAO (air)).

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

No specific provisions

15.2 Chemical safety assessment

Not applicable

16. Other information

Product should be store, handled and used in accordance with good industrial hygiene practises and in conformity with any legal regulations. The information contained here is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should not therefore be construed as guaranteeing specific properties.