
1. COMMERCIAL PRODUCT NAME, PROCESS AND COMPANY

1.1 Name of Product:

Klasmann "Plug Mix (recipe 402) & Plug Mix + Perlite (recipe 883/402)

1.2 Application of Product:

Horticultural Substrate

1.3 EC-Placing on the Market (Manufacturer/ Importer/ Dealer):

Klasmann-Deilmann GmbH
C/- K-Grow Australia Pty Ltd
19 Childers Road
Malvern, 3144 VIC

Telephone: 0400 178 708
E-Mail: peter@kgrow.com.au

Contact for Technical Information:
See above

1.4 Emergency number: Poisons Information Centre
Tel: 131 126

2. COMPOSITION / INFORMATION ABOUT CONSTITUENTS

2.1 Chemical characteristics: Oligotrophic sphagnum peat moss with lime and mineral NPK-fertilizer, wetting agent 100 ml/m³ substrate

2.2 Hazardous components: not applicable

2.3 Additional information: not applicable

3. POSSIBLE HAZARDS

3.1 Hazard identification: not applicable

3.2 Additional information about hazards for man and environment:

According to established data these products are non-hazardous in the sense of the chemical law (ChemG) or the ordinances of hazardous substances in its current version. The product is not subject to a declaration obligation according to the method of calculation of the „General Rating Principles for Compositions of the EC“ in its current version.

4. FIRST AID PROCEDURES

- 4.1 General information:** no special measures required
- 4.2 After inhalation:** Inhaling the product in its general confirmation is most unlikely.
In case of rising dust been inhaled while handling, expose to fresh air.
- 4.3 After skin contact:** Generally these products are not skin irritant.
- 4.4 After eye contact** This is an inert substance. In case particles get in contact with eyes remove foreign bodies according common knowledge.
- 4.5 After ingestion:** no special requirement
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5. FIRE FIGHTING INSTRUCTIONS

- 5.1 Suitable extinguishing material:** Water
Fire fighting measures are to be considered in relation to the surroundings.
- 5.2 Special hazards caused by the basic material, the product, its product of combustion or emitting gases:**

Hazardous decomposing substances see chapter 10, Stability and reactivity
- 5.3 Special protective equipment for fire fighters:**

If needed, use of breathing apparatus with independent air supply.
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6. ACCIDENTAL RELEASE

- 6.1 Personal precautions:**

Do not smoke, do not expose to open fire.
- 6.2 Environmental precautions:**

No special measures required.
- 6.3 Methods for cleaning:**

Take up mechanically. Dispose of according local regulations.
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7. HANDLING AND STORAGE

7.1 Handling

7.1.1 Handling and storage:

Ensure good aeration/ suction at working spaces

7.1.2 Advice on protection against fire and explosion:

Do not smoke, do not expose to open fire.

7.2 Storage

7.2.1 Requirements for storage

Store with sufficient aeration. Do not expose to open fire, flames, sources of heat or flying sparks.

7.2.2 Requirements for joint storage:

<u>Class of storage:</u>	11, inflammable solid matter
<u>Do not store with:</u>	food

7.2.3 Additional information for storage:

Store in dry places.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

No further information, see top 7.

8.1 Constituents with work place related limits to be monitored:

The product does not contain amounts of substances that are relevant in regard to limits to be monitored.

8.2 Additional limits of exposure during processing:

General limits for dust of 3 mg/m³ alveolar (A-dust) and 10 mg/m³ of inhaleable (E-dust) fractions are to be considered, based on current lists.

8.3 Personal protective equipment

When interrupting or finishing work washing hands is necessary. Do not inhale dust, smoke or fog.
Preventative skin care with skin salve.

- 8.3.1 Respiratory protection:** Not applicable if spaces aerated properly.
If dust arises wear respiratory masks.
- 8.3.2 Hand protection:** Wear gloves. In order to avoid skin problems wearing gloves should be reduced to the minimum. after wearing gloves cleaning and nourishing hands is recommended.
- 8.3.3 Eye protection:** When dust arises together with in-sufficient aeration safety glasses with side shields or goggles are recommended.
- 8.3.4 Body protection:** Protective clothing
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9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Physical State** solid
- Appearance:** porous - fluffy - humous
Colour: black - brown
Odour: earthy
- 9.2 Safety relevant data**
- 9.3 Change of physical state:**
- Melting point/ range** not applicable
Boiling point/ range: not applicable
Flash point: not determined
Self ignition: not self igniting
Danger of explosion: not dangerous to explode.
Density: not determined
Bulk density at 20°C 210 - 230 kg/ m³ (EN 12580) (fresh weight)
Solubility/ mixing with water: non soluble
pH-value at 20 °C 6.0 (in H₂O)
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10. STABILITY AND REACTIVITY

- 10.1 Thermal dissociation:** No dissociation at appropriate storage and handling
- 10.2 Hazardous reactions:** No hazardous reaction known.
- 10.2.1 Hazardous products of dissociation:** In case of fire the following substances may occur:
Carbon monoxide and carbon dioxide
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11. TOXICOLOGICAL INFORMATION

11.1 Toxicological testing

11.1.1 Acute Toxicity:

Primary dermal irritation: None

Primary eye irritation: Irritation of the eye possible by mechanical impact of dust.

Allergisation No allergisation known. In case of inappropriate storage conditions mould fungus may occur. Its air borne spores and/ or the mycelium may cause allergic reactions.

Additional toxicological information:

The product is not subject to a declaration obligation according to the method of calculation of the "General Rating Principals for Compositions of the EC" in its current version. If handled appropriately and used according to the intended purpose no impact on health occurs according to current information.

12. ECOLOGICAL INFORMATION

Classification with ID-number 765 annex 1 VwVwS to be non hazardous to water (natural material like minerals, sand, wood, charcoal, cellulose as well as glass and ceramic material as long as they are solid, non dispersed, non water soluble and indifferent.)
The product is stable in water. It can be separated mechanically. Afterwards water may be fed to a biological clarification plant. An impact on the breaking down activity of activated sludges is not likely.

13. DISPOSAL CONSIDERATIONS

13.1 Product/ Recommendation: Small volumes may be disposed of with domestic waste.
Disposal according local regulations.

13.2 Contaminated packaging/ recommendation:

Disposal according local regulations

14. TRANSPORT INFORMATION

14.1 Overland transport ADR/RID and GGVS/ GGVE (international carriage/ Inland):

ADR/RID and GGVS/ GGVE class: no hazardous good according to this regulation

14.2 Sea transport IMDG /GGVSee:

IMDG /GGVSee-class no hazardous good according to this regulation

Marine pollutant none

14.3 Air transport ICAO-TI and IATA-DGR): no hazardous good according to this regulation

14.4 Shipment by mail (Inland): allowed

15. REGULATORY INFORMATION

15.1 EC regulation / labelling: The product is not subject to a declaration obligation.

15.2 National regulation

Not water pollutant

15.3 Additional regulations, restrictions and prohibition regulations: No data available

16. ADDITIONAL COMMENTS

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