1. Identification

GROUNDBREAKER SOIL TREATMENT AND CLAY BREAKER

MULTICROP (AUST). PTY LTD

6-10 Koornang Road Scoresby
Vic 3179 Australia

Tel: (03) 8720 2100  Fax: (03) 9720 5051

Emergency phone number 13 1126 (24 hours)

Recommended use of the chemical and restrictions on use

Used for soil altering process. It activates soil changes which subsequently increase the activity of bacteria and accelerates the decomposition of organic matter.

2. Hazard Identification

Not classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS</th>
<th>Proportion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulphuric acid</td>
<td>7664-93-9</td>
<td>&lt;5 %</td>
</tr>
<tr>
<td>Ingredients determined not to be hazardous, including water.</td>
<td>Balance</td>
<td></td>
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</tbody>
</table>

4. First-aid measures

**Inhalation**
If inhaled, remove affected person from contaminated area. Keep at rest until recovered. If symptoms persist seek medical attention.

**Ingestion**
Do NOT induce vomiting. Wash out mouth with water. If symptoms develop seek medical attention.

**Skin**
Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek medical attention.

**Eye contact**
If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing for several minutes until all contaminants are washed out completely. If symptoms develop and persist seek medical attention.

**First Aid Facilities**
Eye wash and normal washroom facilities.

**Advice to Doctor**
Treat symptomatically.

**Other Information**
For advice in an emergency, contact a Poisons Information Centre (Phone Australia 13 1126) or a doctor at once.

5. Fire-fighting measures

**Suitable extinguishing media**
Use fog, foam or dry chemical.

**Hazardous from Combustion**
Under fire conditions this product may emit toxic and/or irritating fumes and gases including those of sulphuric acid fumes and sulphur dioxide.

**Specific hazards arising from the chemical Decomposition**
This product is non combustible. However heating can cause expansion or decomposition leading to violent rupture of containers.

**Temp.**
Not available

**Precautions in connection with Fire**
Fire fighters should wear Self-Contained Breathing Apparatus (SCBA) operated in positive pressure mode and full protective clothing to prevent exposure to vapours or fumes. Water spray may be used to cool down heat-exposed containers.
6. Accidental release measures

Emergency Procedures
Wear appropriate personal protective equipment and clothing to minimise exposure. Increase ventilation. If possible contain the spill. Place inert absorbent material onto spillage. Collect the material and place into a suitable labelled container. Do not dilute material but contain. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

7. Handling and storage

Precautions for Safe Handling
Use only in a well ventilated area. Keep containers sealed when not in use. Prevent the build up of mists or vapours in the work atmosphere. Avoid inhalation of vapours and mists, and skin or eye contact. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities.

Conditions for safe storage, including any incompatibilities
Store in a cool, dry, well-ventilated area, out of direct sunlight. Store in suitable, labelled containers. Keep containers closed when not in use. Ensure that storage conditions comply with applicable local and national regulations.

8. Exposure controls/personal protection

Occupational exposure limit values
No exposure value assigned for this specific material by Safe Work, Australia. However, the available exposure limits for ingredients are listed below:

<table>
<thead>
<tr>
<th>Substance</th>
<th>TWA ppm</th>
<th>STEL mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulphuric acid</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

TWA (Time Weighted Average): The average airborne concentration of a particular substance when calculated over a normal eight-hour working day, for a five-day week.

STEL (Short Term Exposure Limit): The average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

Biological Limit Values
No biological limit allocated.

Appropriate engineering controls
Use with good general ventilation. If mists or vapours are produced, local exhaust ventilation should be used.

Respiratory Protection
If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable mist filter should be used. Reference should be made to Australian/New Zealand Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye Protection
Safety glasses with side shields or chemical goggles should be worn. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform with Australian/New Zealand Standard AS/NZS 1337 – Eye Protectors for Industrial Applications.

Hand Protection
Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves – Selection, use and maintenance.

Body Protection
Suitable protective work wear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

9. Physical and chemical properties

Appearance
Dark brown, water-like liquid

Odour
Mild to sharp characteristic odour

Decomposition Temperature
Not available
Safety Data Sheet

Product Name: GROUNDBREAKER SOIL TREATMENT AND CLAY BREAKER

Not classified as hazardous

10. Stability and reactivity

Reactivity: Reacts with incompatible materials.

Chemical Stability: Stable under normal conditions of storage and handling.

Conditions to Avoid: Extremes of temperature and direct sunlight. Undiluted material is acidic, avoid contact with reactive metals such as zinc.

11. Toxicological Information

Toxicity Information

Ingestion: Ingestion may cause irritation to the gastric tract, with stomach pain, nausea and vomiting.

Inhalation: Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.

Skin: May be irritating to skin. The symptoms may include redness, itching and swelling.

Eye: May be irritating to eyes. The symptoms may include redness, itching and tearing.

Respiratory sensitisation: Not expected to be a respiratory sensitiser.

Skin Sensitisation: Not expected to be a skin sensitiser.

Germ cell mutagenicity: Not considered to be a mutagenic hazard.

Carcinogenicity: Not considered to be a carcinogenic hazard.

Reproductive Toxicity: Not considered to be toxic to reproduction.

STOT-single exposure: Not considered to cause toxicity to a specific target organ.
12. Ecological information

Ecotoxicity: No ecological data are available for this material.
Persistence and degradability: Product is biodegradable.
Mobility: Not available
Bioaccumulative Potential: Not available
Environmental Protection: Prevent this material entering waterways, drains and sewers.

13. Disposal considerations

Disposal Considerations: Dispose of waste according to applicable local and national regulations.

14. Transport information

Transport Information:
- Air Transport (ICAO/IATA): Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air. No IMDG Marine pollutant

15. Regulatory information

Regulatory Information:
- Not classified as Hazardous according to the Globally Harmonised System of Classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
- Classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP). S6

16. Other Information

Date of preparation or last revision of SDS: SDS Created: January 2013

...End Of MSDS...