MSDS Thatch Marshal 8000

Application:

PRODUCT SPECIFICATIONS
Appearance: Milky white liquid
Ionic state: Anionic
Solid content: 49 - 50%
pH-value: 8.0 - 9.0
M.F.T.: Approx. 10°C
Viscosity: 500 - 3000 cps
SG: 1.02 - 1.04
Dried film: Clear / Hard
Stability: Excellent

Storage conditions: Protect from frost and heat. Store in tightly closed containers and reseal tightly after opening.
Use product in sequence of date of arrival.
Recommended storage temperature is +5 to +35°C

Storage stability: Approximately 6 months after delivery, if stored in original unopened drums under the stated conditions.

Packing: 200 kg Drum / 1000 kg Flobin.

COMPANY DETAILS
Name: Fire Protection Chemicals PTY LTD
Address: 6 Kobie Krige street
          Krugersdorp
          South - Africa
Emergency tel. no.: 082 850 4834
Tel. no.: 011 660 1799
Fax. no.: 086 604 4138
E-mail : twbasson@gmail.com
1. **PRODUCT IDENTIFICATION:**

<table>
<thead>
<tr>
<th>Trade name: Thatch Marshal 8000</th>
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<table>
<thead>
<tr>
<th>EEC classification: Not classified</th>
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<tbody>
<tr>
<td>R phrases: R 21/22, R 37/38, R52</td>
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<tr>
<td>S phrases: S3/7/9, S20/21, S27/28, S29/35, S36/37/39</td>
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2. **HAZARD IDENTIFICATION:**

<table>
<thead>
<tr>
<th>Main hazard: No great risk to health</th>
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<tr>
<td>Flammability: Non - Flammable</td>
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<tr>
<td>Chemical hazard: Not pertinent.</td>
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<tr>
<td>Biological hazard: No data available.</td>
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<tr>
<td>Reproductive hazard: No data available</td>
</tr>
<tr>
<td>Effect on eyes: – irritant. Can cause damage</td>
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<tr>
<td>Health effects – skin: Slightly irritant. If the product adheres to skin, irritation may occur when it dries.</td>
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<tr>
<td>Health effects – ingestion: Ingestion may result vomiting. Irritating and nauseating</td>
</tr>
<tr>
<td>Health effects – inhalation: Possible traces of free monomers. Can be irritating.</td>
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<tr>
<td>Carcinogenicity: No data available.</td>
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<tr>
<td>Mutagenicity: No data available.</td>
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<tr>
<td>Neurotoxicity: No data available.</td>
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3. **SAFETY DATA SHEET**

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<thead>
<tr>
<th>Thatch Marshal 8000</th>
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<tr>
<th>Date issued: 15/07/15</th>
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<tr>
<td>Page 2 of 3</td>
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</table>

4. **FIRST AID MEASURES:**

<table>
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<tr>
<th>Product in eye: Flush gently with water, holding eyelids open for 15 minute period. If irritation persists, repeat flushing and seek medical attention.</th>
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<tbody>
<tr>
<td>Product on skin: Remove contaminated clothing. Always wash after being in contact with chemical substances</td>
</tr>
<tr>
<td>Product ingested: Rinse mouth thoroughly with water. If vomiting occurs naturally, rinse mouth and repeat administration of water. Seek medical assistance.</td>
</tr>
<tr>
<td>Product inhaled: Move victim to fresh air. Call for medical assistance, if breathing is difficult, give oxygen. If person is not breathing, give artificial respiration.</td>
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</table>

5. **FIRE FIGHTING MEASURES:**

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<tr>
<th>Extinguisher media: Foam, CO2 or dry powder. Inert - No reaction with fire-fighting water</th>
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<tr>
<td>Special hazards: Keep drums cool</td>
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<tr>
<td>Protective clothing: Wear NIOSH approved self – contained breathing apparatus.</td>
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6. **ACCIDENTAL RELEASE MEASURES:**
Personal precautions: Chemical glasses, PVC/rubber gloves, respirator with an organic cartridge filter, overalls and boots.

Environmental precautions: Harmful to aquatic life in low concentrations. Contain the spill using appropriate absorbing material

Small spills: Absorb small spills and place into clean dry labelled containers and cover.
Large spills: Avoid contact with solution. Stop discharge if possible. Isolate and remove discharge material by absorbing it with an absorbent.

7. HANDLING AND STORAGE:
Suitable material: Keep in original packaging.
Handling / storage precautions: Store in a cool, dry, well ventilated area and keep packaging dry.
Inert substance with no special requirements for hazard containment.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION:
Engineering control measures: work area should have adequate ventilation.
Personal protection – respiratory: Where an inhalation risk exists wear a class P1 (Organic matter) respirator (3M 6300 + 6055).
Personal protection – hands: Wear PVC / rubber gloves.
Personal protection – eyes: Chemical safety goggles or safety glasses
Personal protection – skin: Wear overalls or protective clothing where skin contamination is unlikely
Other protection: Have a safety shower / eyewash fountain available in the immediate area.

9. PHYSICAL AND CHEMICAL PROPERTIES:
Appearance: White liquid
PH:  9.0 – 11.5
Viscosity: 1000 – 3000 CPS
Non-volatile: 49 - 50 %
Boiling point: < 100°C
Melting point: Not available
Flash point: N/A
Flammability: Non -Flammable
Oxidizing properties: Not pertinent
Vapour pressure: Not available
Density: approximate ca 1g/ml
Solubility – water: Miscible

10. STABILITY AND REACTIVITY:
Thermal decomposition: No decomposition if used correctly
Hazardous decomposition products:
No hazardous reactions when stored and handled according to instructions.

11. TOXICOLOGICAL INFORMATION:
Acute toxicity: Data not available
Skin and eye contact: If the product adheres to skin, irritation may occur when it dries.
Chronic toxicity: Data not available.
Carcinogenicity: Data not available.
Mutagenicity: Data not available.
12. ECOLOGICAL INFORMATION:
Aquatic toxicity – fish: Data not available
Aquatic toxicity – daphnia: Data not available.
Aquatic toxicity – algae: Data not available.
Biodegradability: Data not available.
Bio-accumulation: Based on its structural properties, the polymer is not biologically available. Accumulation in organisms is not to be expected.

13. DISPOSAL CONSIDERATIONS:
Disposal methods: Collect small spills into clean, dry, labelled containers and cover. Dispose of through reputable waste disposal company.
Disposal of packaging: Incinerate or landfill.

14. TRANSPORTATION INFORMATION:
UN No.: Not classified
Substance identity no.:
ADR / RID class: Not classified as a dangerous good under transport regulations
IMDG – class: Not classified as a dangerous good under transport regulations
IMDG – marine pollutant: Yes.
IATA – class: Not classified as a dangerous good under transport regulations

15. REGULATORY INFORMATION:
The product does not require a hazard warning label in accordance with EC Directives.
Classification and labelling were undertaken on the basis of tests on a preparation of similar composition.

16. OTHER INFORMATION:
The information in this MSDS is provided in good faith and to the best of our knowledge. We assume no responsibility and give no warranty, either expressed or implied.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall Fire Protection be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fire Protection has been advised of the possibility of such damages.