1. Identification

Material name: BufoTabs
Company information: Institute for Molecular Bioscience
University of Queensland
Brisbane, QLD 4072, Australia
Emergency: +61 4 4918 2140
General information Phone: +61 7 3346 2980
Fax: +61 7 3346 2990

2. Hazard(s) Identification

GHS Hazard Phrase: Based on evaluation of currently available data the active ingredients in BufoTabs are not classifiable according to GHS.
Adverse Human Health: The active ingredients in BufoTabs may be irritating to mucous membranes and upper respiratory tract.
Effects and Symptoms: The active ingredients in BufoTabs may be harmful by inhalation, ingestion or skin absorption.
May cause eye, skin or respiratory irritation.
To the best of our knowledge the toxicological properties have not been thoroughly investigated.

3. Composition and Information on Ingredients

Chemical nature: mixture
Components:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marinobufagin</td>
<td>470-42-8</td>
<td>73 - 77%</td>
</tr>
<tr>
<td>Telocinobufagin</td>
<td>472-26-4</td>
<td>8 - 10%</td>
</tr>
<tr>
<td>Bufalin</td>
<td>465-21-4</td>
<td>8 - 10%</td>
</tr>
<tr>
<td>Resinobufagin</td>
<td>465-39-4</td>
<td>2 - 5%</td>
</tr>
<tr>
<td>Arenobufagin</td>
<td>464-74-4</td>
<td>1 - 4%</td>
</tr>
</tbody>
</table>

4. First Aid Measures

**FIRST AID PROCEDURES**

In case of eye contact with dust or particles released from damaged BufoTabs
Hold eyelids apart and flush eyes with plenty of water for at least 15 mins.
Have eyes examined and tested by medical personnel.

In case of skin contact with BufoTabs
Immediately wash skin with soap and plenty of water.

In the case of ingestion of BufoTabs
Rinse mouth with water. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.

In case of inhalation with dust or particles released from damaged BufoTabs
Remove to fresh air. If not breathing give artificial respiration, or give oxygen by trained personnel. Get medical attention.

5. Fire Fighting Measures

Flammable properties: Not a fire hazard.
Suitable extinguishing media: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment for fire-fighters: Wear self-contained breathing apparatus for firefighting if necessary.

6. Accidental Release Measures

- **Personal precautions**: Avoid breathing dust from broken BufoTabs.
- **Environmental precautions**: Do not let product enter drains.
- **Methods for cleaning up**: Use cloth to wipe up and prevent dust formation. Keep in suitable, closed containers for disposal.

7. Handling and Storage

- **Handling**: Avoid inhalation. Avoid skin or eye contact.
- **Storage**: Store dry and tightly closed in the supplied container.
- **Recommended storage**: Room temperature (<30°C).

8. Exposure controls and personal protection

- **We are not aware of any national exposure limit.**
- **PERSONAL PROTECTIVE EQUIPMENT**
  - **Eye / face protection**: Avoid contact with eyes.
  - **Skin protection**: Avoid contact with skin. Wear waterproof gloves.

9. Physical and Chemical Properties

- **Appearance**: Solid ceramic ring
- **Colour**: Pale to light green
- **Odour**: Mild
- **Form**: Solid
- **Odour threshold**: Not available
- **pH**: Not available
- **Boiling point**: Not available
- **Evaporation rate**: Not available
- **Flammability limits in air**: Not available
- **Vapour density**: Not available
- **Specific gravity**: Not available
- **Solubility (water)**: Not available

10. Stability and Reactivity

- **Chemical stability**: Stable under normal conditions.
- **Conditions to avoid**: Do not store in direct sunlight, or excessive heat (>30°C)

11. Toxicological Information

The toxicological effects of this product have not been thoroughly studied.
12. Ecological Information

Ecotoxicity effects  No data available
Other adverse effects  No data available

13. Disposal considerations

Waste disposal method  Do not dispose of in the environment. Recover and place in standard (urban, rural, industrial) waste disposal.
Contaminated packaging  Do not reuse for purposes other than storing BufoTabs.

14. Transport Information

ADR/RID  Not dangerous goods
IMDG  Not dangerous goods
IATA  Not dangerous goods

15. Regulatory Information

Labelling according to EC Directives
Further information: The product does not need to be labelled in accordance with EC directives or respective national laws.

16. Other Information

Further information  The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. We shall not be held liable for any damage resulting from handling or from contact with the above product. See attached Material Shipping Conditions for further conditions.