Material Safety Data Sheet

Section 1 Identification of the Substance

Product number: C016
Product name: DiO perchlorate (3,3’-dioctadecyloxycarbocyanine perchlorate)

Section 2 Hazardous Ingredients/Identity Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>EINECS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>DiO perchlorate</td>
<td>34215-57-1</td>
<td>-</td>
<td>60-100</td>
</tr>
</tbody>
</table>

Section 3 Physical and Chemical Properties

- Form: solid
- Appearance: No information available
- Odor: No information available
- Boiling point: No data available
- Melting point: No data available
- Flash point: No data available
- Autoignition temperature: No data available
- Oxidizing properties: No information available
- Water solubility: Not soluble

Section 4 Potential Health Hazard Effects

- Eyes: May cause eye irritation with susceptible persons.
- Skin: May cause skin irritation in susceptible persons.
- Inhalation: May be harmful by inhalation.
- Ingestion: May be harmful if swallowed.
- Carcinogenic effects: not applicable.
- Reproductive toxicity: not applicable.
- Sensitization: not applicable.

Section 5 Stability and Reactivity Data

- Stability: Stable under normal conditions.
- Materials to avoid: No information available.
- Hazardous decomposition: No information available.
- Polymerization: Hazardous polymerization does not occur.

Section 6 Toxicological and Ecological Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 (oral, rat/mouse)</th>
<th>LD50 (dermal, rat/rabbit)</th>
<th>LC50 (inhalation, rat/mouse)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DiO perchlorate</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
</tbody>
</table>

- Ecotoxicity effects: No information available.
- Mobility: No information available.
- Biodegradation: Inherently biodegradable.
- Bioaccumulation: Does not bioaccumulate.
Section 7  Handling and Storage

Handling  Always wear recommended Personal Protective Equipment. No special handling advice required.
Storage  Keep in a dry, cool and well-ventilated place.

Section 8  First Aid Measures

Skin contact  Rinse with plenty of water. If symptoms arise, call a physician.
Eye contact  Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
Ingestion  Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice.
Inhalation  Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.

Section 9  Disposal Considerations

Dispose of in accordance with local regulations.

Section 10  Other Information

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

End of Material Safety Data Sheet