1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Catalog Number: 194824
Product name: FICOLL®

Supplier: MP Biomedicals, LLC
Parc d'Innovation
BP 50067
67402 ILLKIRCH CEDEX
France

Emergency telephone number: "n° ORFILA" (01-45-42-59-59)

2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS Number</th>
<th>Weight %</th>
<th>EC No.</th>
<th>Classification</th>
<th>Notes</th>
<th>Annex No.:</th>
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</thead>
<tbody>
<tr>
<td>FICOLL®</td>
<td>26873-85-8</td>
<td>&gt; 25%</td>
<td>--</td>
<td>Xi</td>
<td>--</td>
<td>--</td>
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</tbody>
</table>

3. HAZARDS IDENTIFICATION

Indication of Danger:

Xi - Irritant.

R36/37/38 - Irritating to eyes, respiratory system and skin.

Category of Danger:

Irritant

4. FIRST AID MEASURES

General advice: In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Inhalation: Move to fresh air. Call a physician immediately.

Skin contact: Rinse immediately with plenty of water for at least 15 minutes Call a physician immediately

Ingestion: Do not induce vomiting without medical advice.
Eye contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media: Use dry chemical, CO2, water spray or "alcohol" foam
- Specific hazards: Burning produces irritant fumes.
- Special protective equipment for firefighters: Wear self contained breathing apparatus for fire fighting if necessary.
- Flash point: Not determined
- Autoignition temperature: Not determined

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions: Use personal protective equipment.
- Environmental precautions: Do not flush into surface water or sanitary sewer system.
- Methods for cleaning up: Soak up with inert absorbent material.

7. HANDLING AND STORAGE

- Storage: ROOM TEMPERATURE
- Handling: Use only in area provided with appropriate exhaust ventilation.
- Safe handling advice: Wear personal protective equipment. Remove and wash contaminated clothing before reuse.
- Technical measures/storage conditions:
  - Keep container tightly closed in a dry and well-ventilated place.
  - Keep containers tightly closed in a cool, well-ventilated place.
- Incompatible products: Oxidising and spontaneously flammable products

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Engineering measures: Ensure adequate ventilation.
- Respiratory protection: Breathing apparatus needed only when aerosol, vapor or dust is formed.
- Skin and body protection: Impervious clothing
- Eye protection: Goggles
- Hand protection: Gloves

9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance and Odor: White
- Physical state: Powder
- Formula: Not applicable
- Molecular weight: ~400,000
- Melting point/range: No data available at this time.
- Boiling point/range: No Data available at this time.
- Density: up to 1.2 g/ml
- Vapor pressure: No data available
- Evaporation rate: No data available

Catalog Number: 194824

Product name: FICOLL®
Vapor density: No data available
Solubility (in water): Soluble
Flash point: Not determined
Autoignition temperature: Not determined

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.
Polymerization: None under normal processing.
Hazardous decomposition products: Thermal decomposition can lead to release of irritating gases and vapours such as carbon oxides.
Materials to avoid: Strong oxidising agents
Conditions to avoid: Exposure to air or moisture over prolonged periods.

11. TOXICOLOGICAL INFORMATION

Product Information

Acute toxicity

<table>
<thead>
<tr>
<th>Components</th>
<th>RTECS Number:</th>
<th>Selected LD50s and LC50s</th>
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<tbody>
<tr>
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</tbody>
</table>

Chronic toxicity: Chronic exposure may cause nausea and vomiting, higher exposure causes unconsciousness.
Local effects: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.
Specific effects: May include moderate to severe erythema (redness) and moderate edema (raised skin), nausea, vomiting, headache.
Primary irritation: A primary irritant.
Carcinogenic effects: No data is available on the product itself.
Mutagenic effects: No data is available on the product itself.
Reproductive toxicity: No data is available on the product itself.

12. ECOLOGICAL INFORMATION

Mobility: No data available
Bioaccumulation: No data available
Ecotoxicity effects: No data available
Aquatic toxicity: May cause long-term adverse effects in the aquatic environment.

<table>
<thead>
<tr>
<th>Components</th>
<th>U.S. DOT - Appendix B - Marine Pollutant</th>
<th>U.S. DOT - Appendix B - Severe Marine Pollutants</th>
<th>United Kingdom - The Red List:</th>
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<tbody>
<tr>
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</table>

<table>
<thead>
<tr>
<th>Components</th>
<th>Germany VCI (WGK)</th>
<th>World Health Organization (WHO) - Drinking Water</th>
<th>Ecotoxicity - Fish Species Data</th>
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</thead>
<tbody>
<tr>
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</table>

<table>
<thead>
<tr>
<th>Components</th>
<th>Ecotoxicity - Freshwater Algae Data</th>
<th>Ecotoxicity - Microtox Data</th>
<th>Ecotoxicity - Water Flea Data</th>
</tr>
</thead>
<tbody>
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<td>FICOLL®</td>
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<td>Not Listed</td>
<td>Not Listed</td>
</tr>
</tbody>
</table>
### 13. DISPOSAL CONSIDERATIONS

**Waste from residues / unused products:**
Waste disposal must be in accordance with appropriate Federal, State, and local regulations. This product, if unaltered by use, may be disposed of by treatment at a permitted facility or as advised by your local hazardous waste regulatory authority. Residue from fires extinguished with this material may be hazardous.

**Contaminated packaging:**
Do not re-use empty containers

**Methods for cleaning up:**
Soak up with inert absorbent material.

### 14. TRANSPORT INFORMATION

**UN/Id No:**
Not a dangerous good.

**ADR/RID**
- Proper shipping name: Not Regulated

**IMDG/IMO**
- Proper shipping name: Not Regulated

**ICAO/IATA**
- Proper shipping name: Not Regulated

### 15. REGULATORY INFORMATION

**Indication of Danger:**
**Xi - Irritant.**

R36/37/38 - Irritating to eyes, respiratory system and skin.

**Safety Phrases:**
- S20 - When using do not eat or drink.
- S25 - Avoid contact with the eyes.
- S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S37/39 - Wear suitable gloves and eye/face protection.
Classification according to VbF: -

16. OTHER INFORMATION

Prepared by: Health & Safety

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End of Safety Data Sheet