1 Identification of the substances/mixture and of the company/undertaking

1.1 Product Identifiers
Product Number: M1898
Product Name: Rapid Perfringens Medium Base (Twin pack)
REACH Registration Number: This product is a mixture. Reach registration number is not available for this mixture.

1.2 Relevant identified uses of the substance or mixture and uses advised against

1.2.1 Relevant identified uses
Laboratory Chemicals, Analytical Purpose, Biochemical Analysis

1.3 Details of the supplier of the safety data sheet
Produced by: HiMedia Laboratories Private Limited
Address: 23, Vadhani Industrial Estate, LBS Marg, Ghatkopar (W), Mumbai - 400 086, India
Tel. No.: +91-22-2500 0970, +91-22-2500 1607
Fax No.: +91-22-25002468
Mail Id: info@himedialabs.com
Website: www.himedialabs.com

1.4 Emergency Tel. No.
Emergency Tel. No.: Please contact the regional HiMedia representation in your country

2 Hazards Identification

2.1 Classification of the substance or mixture

CLP Classification-Regulation (EC) No. 1272/2008 [EU-GHS/CLP]
Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.2 Label elements

Labeling according to Regulation (EC) No. 1272/2008
The product does not need to be labelled in accordance with EC directives or respective national laws.

2.3 Other Hazards
None

3 Composition/Information On Ingredients

3.2 Mixture

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium thioglycollate</td>
<td>As Per EC Regulation 1272/2008</td>
<td>&gt;=0.1 - &lt;=1.0%</td>
</tr>
<tr>
<td>CAS No.: 367-51-1</td>
<td>Acute Tox.oral. 3; Skin Sens. 1 H301; H317</td>
<td></td>
</tr>
<tr>
<td>EC No.: 206-696-4</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

www.himedialabs.com
Safety data sheet (SDS)
Revision: 00001
Date of Revision: 27.11.2018

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Component | Classification | Concentration
---|---|---
Ferrous sulphate | As Per EC Regulation 1272/2008 | >=1.0 - <=10.0%
CAS No. : | 7720-78-7 | 
EC No. : | 231-753-5 | 
Index-No : | 026-003-00-7 | 
Molecular Formula : | FeSO₄ | 

Refer Section 16 for complete statement of H codes and its classification.

4 First Aid Measures
4.1 Description of first aid measures
General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Consult a physician.

In case of eye contact
Rinse immediately with plenty of water for at least 15 minutes. Consult a physician.

If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed
No data available.

4.3 Indication of immediate medical attention and special treatment needed
No data available.

5 Fire Fighting Measures
5.1 Extinguishing media
Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media
No data available.

5.2 Special hazards arising from the substance or mixture
Carbon oxides, Sodium oxides, Hydrogen chloride gas, Sulphur oxides

5.3 Precautions for fire-fighters
Wear self contained breathing apparatus for fire fighting if necessary

5.4 Further information
No data available.

6 Accidental Release Measures
6.1 Personal precautions, protective equipment and emergency procedures
Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.
Evacuate personnel to safe areas.
6.2 Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up
Soak up with inert adsorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

6.4 Reference to other sections
For disposal see Section 13.

7 Handling and Storage
7.1 Precautions for safe handling
Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Normal measures for preventive fire protection.

7.2 Conditions for safe storage, including any incompatibilities
Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Recommended Storage Temperature: On receipt store between 10-30°C

7.3 Specific end uses
Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8 Exposure Controls/Personal Protection
8.1 Control parameters
Components with workplace control parameters

8.2 Exposure controls
Appropriate engineering controls
Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the products.

Personal protective equipment
Hygiene measure
Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with the product.

Eye/face protection
Tightly fitting safety goggles; Faceshield (8-inch minimum). Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 2016/425/EEC and the standard EN ISO 374-1/2016 derived from it.

Body protection
Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air
respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Environment exposure controls
Do not empty into drains.

9 Physical and chemical properties
9.1 Information on basic physical and chemical properties

Appearance
Part A: Pinkish purple to grey Coloured homogenous free flowing powder
Part B: Cream to yellow Coloured homogenous free flowing powder

Odour
No data available
Odour Threshold
No data available
pH
6.80 - 7.20
Melting/freezing point
No data available
Initial boiling point and boiling range
No data available
Flash point
No data available
Flammability (Solid, gas)
No data available
Vapour pressure
No data available
Relative density
No data available
Water Solubility
No data available
Partition coefficient: n-octanol/water
No data available
Autoignition Temperature
No data available
Viscosity
No data available
Explosive properties
No data available
Oxidizing properties
No data available
Vapour density
No data available
Thermal decomposition
No data available

9.2 Other safety information
No data available

10 Stability and Reactivity
10.1 Reactivity
No data available

10.2 Chemical stability
No data available

10.3 Possibility of hazardous reactions
No data available

10.4 Conditions to avoid
No data available

10.5 Incompatible materials
No data available

10.6 Hazardous decomposition products
Refer Section 5.2
11 Toxicological Information

11.1 Information on toxicological effects

Acute toxicity
No data available

Skin corrosion/irritation
No data available

Serious eye damage/eye irritation
No data available

Respiratory or skin sensitisation
No data available

Germ cell mutagenicity
No data available

Carcinogenicity
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity
No data available

Specific target organ toxicity - single exposure
No data available

Aspiration hazard
No data available

Potential Health Effects

Inhalation
REFER SECTION 2

Skin
REFER SECTION 2

Eyes
REFER SECTION 2

Ingestion
REFER SECTION 2

Additional Information
RTECS: No data available

11.2 Components

Sodium Thioglycollate

Acute oral toxicity
Rat LD50: 50-200 mg/kg (As per OECD Test Guideline 423)

Acute dermal toxicity
Rat LD50: >1000-2000 mg/kg (As per OECD Test Guideline 402)

Skin irritation
Rabbit: Slight irritation (As per OECD Test Guideline 404)

Eye irritation
Rabbit: Slight irritation (As per OECD Test Guideline 405)

Sensitization
Local Lymph Node Assay (LLNA)
Mouse: Positive (As per OECD Test Guideline 429)
Germ cell mutagenicity
Genotoxicity in vivo
In vivo micronucleus test: Mouse (male & female)
Oral Result: Negative method (As per OECD Test Guideline 474)
Genotoxicity in vitro
Ames Test: Salmonella Typhimurium
Result: Negative (As per OECD Test Guideline 471)

Additional information:
RTECS: AI7700000
Ferrous sulphate
Acute Oral Toxicity
Mouse LD50: 1.520 mg/kg

Additional Information
RTECS: NO8510000

12 Ecological Information
12.1 Toxicity
No data available
Components
Sodium thioglycollate
Toxicity to fish
Oncorhynchus mykiss (rainbow trout) LC50: > 100 mg/l; 96 h
(As per OECD Test Guideline 203)
Toxicity to daphnia and other aquatic invertebrates
Daphnia magna (Water flea) EC50: 38 mg/l; 48 h
(As per OECD Test Guideline 202)
Toxicity to algae
Desmodesmus subspicatus (green algae) EC50: > 100 mg/l; 72h
(As per OECD Test Guideline 201)
Toxicity to bacteria
EC50 Activated sludge: 820 mg/l; 0.5 h
(As per OECD Test Guideline 209)

Components
Ferrous sulphate
Toxicity to fish
Brook trout (Salvelinus fontinalis) LC 50: 0.41 mg/l ; 96h
Toxicity to daphnia and other aquatic invertebrates
Water flea (Daphnia magna) EC 50: 6.15 mg/l; 48h

12.2 Persistence and degradability
No data available
12.3 Bioaccumulative potential
No data available
12.4 Mobility in soil
12.5 **PBT and vPvB assessment**
This substance or mixture contains no components considered to be persistent, bioaccumulating nor toxic (PBT)

12.6 **Other adverse effects**
No data available

13 **Disposal Considerations**

13.1 **Waste treatments methods**

**Product**
Offer surplus and non-recyclable solutions to a licenced company. Contact a licenced professional waste disposal service to dispose off this material.

13.2 **Contaminated packaging**
Dispose of as unused product.

14 **Transport Information**

14.1 **UN-No**

<table>
<thead>
<tr>
<th>ADNR</th>
<th>ADR</th>
<th>IATA_C</th>
<th>IATA_P</th>
<th>IMDG</th>
<th>RID</th>
</tr>
</thead>
</table>

14.2 **UN proper shipping name**

<table>
<thead>
<tr>
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<th>ADR</th>
<th>IATA_C</th>
<th>IATA_P</th>
<th>IMDG</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not dangerous goods</td>
<td>Not dangerous goods</td>
<td>Not dangerous goods</td>
<td>Not dangerous goods</td>
<td>Not dangerous goods</td>
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</tr>
</tbody>
</table>

14.3 **Transport hazard class(es)**

<table>
<thead>
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<th>ADNR</th>
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<th>IATA_C</th>
<th>IATA_P</th>
<th>IMDG</th>
<th>RID</th>
</tr>
</thead>
</table>

14.4 **Packaging group**

<table>
<thead>
<tr>
<th>ADNR</th>
<th>ADR</th>
<th>IATA_C</th>
<th>IATA_P</th>
<th>IMDG</th>
<th>RID</th>
</tr>
</thead>
</table>

14.5 **Environmental hazards**

<table>
<thead>
<tr>
<th>ADNR</th>
<th>ADR</th>
<th>IMDG</th>
<th>Marine Pollutant</th>
<th>IATA_C</th>
<th>IATA_P</th>
<th>RID</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Marine Pollutant</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

14.6 **Special precautions for use**
No data available

15 **Regulatory Information**
This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

15.1 **Safety health and environment regulations/legislation specific for the substance or mixture**
No data available

15.2 **Chemical Safety Assessment**
No data available

16 **Other information**
H301  Toxic if swallowed  
H302  Harmful if swallowed  
H315  Causes skin irritation  
H317  May cause an allergic skin reaction  
H319  Causes serious eye irritation  
Acute Tox.oral 4  Acute toxicity, oral, Category 4  
Acute Tox.oral 3  Acute toxicity, oral, Category 3  
Eye Irrit. 2A  Serious eye damage or eye irritation, Category 2A  
Skin Irrit. 2  Skin corrosion or irritation, Category 2  
Skin Sens. 1  Sensitisation, Skin, Category 1  

Further Information

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