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

1.1 Product Identifiers
Product Number     FD281
Product Name       Modified CFC Selective Supplement
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.             +91-22-2500 2468
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]
Sensitisation, Skin, (Category 1), H317
Serious eye damage or eye irritation, (Category 2A), H319
Skin corrosion or irritation, (Category 2), H315
Sensitisation, respiratory, (Category 1), H334
Specific target organ toxicity, single exposure, Respiratory tract irritation, (Category 3), H335
Hazardous to the aquatic environment, long term hazard, (Category 2), H411

2.2 Label elements
Labeling according to Regulation (EC) No.1272/2008

Pictogram
Signal word        Danger
Hazard Statement(s)
H315               Causes skin irritation
H317               May cause an allergic skin reaction
H319               Causes serious eye irritation
H334               May cause allergy or asthma symptoms or breathing difficulties if inhaled
Precautionary Statement(s)

P261  Avoid breathing dust/fume/gas/mist/vapours/spray.
P280  Wear protective gloves/protective clothing/eye protection/face protection.
P273  Avoid release to the environment.
P304 + P340  IF INHALED: Remove person to fresh air and Keep comfortable for breathing.
P302 + P352  IF ON SKIN: wash with plenty of soap and water.
P305+P351+P338  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313  IF eye irritation persists: Get medical advice/attention.
P333 + P313  IF SKIN irritation or rash occurs: Get medical advice/attention.
P312  Call a POISON CENTER or doctor/physician if you feel unwell.

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>Cetrimide</td>
<td>As Per EC Regulation 1272/2008</td>
<td>&gt;=10 - &lt;=20%</td>
</tr>
<tr>
<td>CAS No. : 8044-71-1</td>
<td>Eye Dam. 1; Acute Tox.oral 4; Acute Tox. dermal. 4; Skin Corr. 1B; Acute Tox.inhal. 4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>H318; H302; H312; H314; H332</td>
<td></td>
</tr>
<tr>
<td>Sodium fusidate</td>
<td>As Per EC Regulation 1272/2008</td>
<td>&gt;=10 - &lt;=20%</td>
</tr>
<tr>
<td>CAS No. : 751-94-0</td>
<td>Acute Tox.oral 4</td>
<td></td>
</tr>
<tr>
<td>EC No. : 212-030-3</td>
<td>H302</td>
<td></td>
</tr>
<tr>
<td>Cephalothin sodium salt</td>
<td>As Per EC Regulation 1272/2008</td>
<td>&gt;=70 - &lt;=80%</td>
</tr>
<tr>
<td>CAS No. : 58-71-9</td>
<td>Skin Sens. 1; Resp. Sens. 1</td>
<td></td>
</tr>
<tr>
<td>EC No. : 200-394-6</td>
<td>H317; H334</td>
<td></td>
</tr>
</tbody>
</table>

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 with plenty of soap and 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
Nature of decomposition products not known.

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 absorbent material. 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 2-8°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 89/686/EEC and the standard EN 374 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Yellowish White Powder</td>
</tr>
<tr>
<td>Odour</td>
<td>No data available</td>
</tr>
</tbody>
</table>
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
Other Decomposition products not known.

11 Toxicological Information

11.1 Information on toxicological effects

Acute toxicity
No data available

Skin corrosion/irritation
Mixture may cause skin irritation.

Serious eye damage/eye irritation
Mixture may cause eye irritation.

Respiratory or skin sensitisation
Mixture may cause skin sensitisation.

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.

**Specific target organ toxicity- single exposure**
No data available

**Specific target organ toxicity - repeated 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 : Not Available

### 11.2 Components

**Cetrimide**

**Acute Oral Toxicity**
Rat LD50: 410 mg/kg (RTECS)

**Eye Irritation**
Rabbit- Irritant to eyes

**Skin Irritation**
Rabbit- Mild irritant to skin and mucous membranes

**Skin Sensitization**
No sensitizing effects known

**Respiratory or Skin Sensitization**
No sensitizing effects known

**Subacute to chronic toxicity**
Target organs: Respiratory tract, eyes, kidneys, and skin.

**Specific target organ toxicity-single exposure**
Inhalation-May cause respiratory irritation

**Specific target organ toxicity-repeated exposure**
Oral-May cause damage to organs through prolonged or repeated exposure

**Carcinogenicity Classification**
Not listed in IARC (International Agency for Research on Cancer)
Not listed in NTP (National Toxicology Program)

**Additional information:**
RTECS BQ7875000
12  Ecological Information
12.1  Toxicity
     No data available

12.2  Persistence and degradability
     No data available
12.3  Bioaccumulative potential
     No data available
12.4  Mobility in soil
     No data available
12.5  PBT and vPvB assessment
     PBT/vPvB assessment was not conducted as chemical safety assessment is not required.
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 disposal company. Contact a licenced professional waste disposal service to dispose off this material.

     Contaminated packaging
     Dispose of as unused product.

14  Transport Information
14.1  UN-No
     ADNR : 3263  ADR : 3263  IATA_C : 3263  IATA_P : 3263  IMDG : 3263  RID : 3263

14.2  UN proper shipping name
     ADNR  : Corrosive solid, basic, organic, n.o.s.
     ADR   : Corrosive solid, basic, organic, n.o.s.
     IATA_C : Corrosive solid, basic, organic, n.o.s.
     IATA_P : Corrosive solid, basic, organic, n.o.s.
     IMDG  : Corrosive solid, basic, organic, n.o.s.
     RID   : Corrosive solid, basic, organic, n.o.s.

14.3  Transport hazard class(es)
     ADNR : 8  ADR : 8  IATA_C : 8  IATA_P : 8  IMDG : 8  RID : 8

14.4  Packaging group
     ADNR   : II  ADR   : II  IATA_C : II  IATA_P : II  IMDG : II  RID : II

14.5  Environmental hazards
     ADNR : No  ADR : No  IMDG : Marine pollutant No  IATA_C : No  IATA_P : No  RID : No

14.6  Special precautions for use
     No data available

15  Regulatory Information
This safety datasheet 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
Text of H codes and classification mentioned in section 3

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>H302</td>
<td>Harmful if swallowed</td>
</tr>
<tr>
<td>H312</td>
<td>Harmful in contact with skin</td>
</tr>
<tr>
<td>H314</td>
<td>Causes severe skin burns and eye damage</td>
</tr>
<tr>
<td>H317</td>
<td>May cause an allergic skin reaction</td>
</tr>
<tr>
<td>H318</td>
<td>Causes serious eye damage</td>
</tr>
<tr>
<td>H332</td>
<td>Harmful if inhaled</td>
</tr>
<tr>
<td>H334</td>
<td>May cause allergy or asthma symptoms or breathing difficulties if inhaled</td>
</tr>
<tr>
<td>Acute Tox. dermal. 4</td>
<td>Acute toxicity, dermal, Category 4</td>
</tr>
<tr>
<td>Acute Tox.inhal. 4</td>
<td>Acute toxicity, inhaled, Category 4</td>
</tr>
<tr>
<td>Acute Tox.oral 4</td>
<td>Acute toxicity, oral, Category 4</td>
</tr>
<tr>
<td>Eye Dam. 1</td>
<td>Serious eye damage or eye irritation, Category 1</td>
</tr>
<tr>
<td>Resp. Sens. 1</td>
<td>Sensitisation, respiratory, Category 1</td>
</tr>
<tr>
<td>Skin Corr. 1B</td>
<td>Skin corrosion or irritation, Category 1B</td>
</tr>
<tr>
<td>Skin Sens. 1</td>
<td>Sensitisation, Skin, Category 1</td>
</tr>
</tbody>
</table>

Further Information

Copyright 2019 HiMedia Laboratories Pvt. Ltd.
The information given in this safety data sheet is believed to be correct yet does not claim to be all inclusive. This document is intended only as a guide for appropriate precautionary handling of the material by properly trained individuals, information here being commensurate with the present state of our knowledge regarding the manner and conditions of use, handling, storage or disposal. The information provided herein shall not be considered as guarantee of the properties of the product. HiMedia Laboratories, shall not be held liable for any damage resulting from improper handling or contact with the above product. Unless explicitly stated on the product or in any of the documentation accompanying the product, it is intended for research or testing purpose only and is not to be used for any other purpose.