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

1.1 Product Identifiers

Product Number  FD036
Product Name  CFC 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.  : +91-22-25002468
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]

Acute toxicity, Oral, (Category 4), H302
Skin corrosion or irritation, (Category 2), H315
Sensitisation, Skin, (Category 1), H317
Serious eye damage or eye irritation, (Category 1), H318
Hazardous to the aquatic environment, acute hazard, (Category 1), H400

2.2 Label elements

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

Pictogram
Signal word  Danger

Hazard Statement(s)

H302  Harmful if swallowed
H315  Causes skin irritation
H317  May cause an allergic skin reaction
H318  Causes serious eye damage
H400  Very toxic to aquatic life
Precautionary Statement(s)

P273  Avoid release to the environment.

P280  Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338  IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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>Cefaloridine(Cephaloridine)</td>
<td>As Per EC Regulation 1272/2008</td>
<td>&gt;=70 - &lt;=80%</td>
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<tr>
<td>CAS No.:</td>
<td>50-59-9</td>
<td></td>
</tr>
<tr>
<td>EC No.:</td>
<td>200-052-6</td>
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<tr>
<td></td>
<td>Skin Sens. 1  H317</td>
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</table>

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<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
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</thead>
<tbody>
<tr>
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<tr>
<td>CAS No.:</td>
<td>8044-71-1</td>
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<tr>
<td></td>
<td>Eye Dam. 1; Acute Tox.oral 4; Acute Tox. dermal. 4; Skin Corr. 1B; Acute Tox.inhal. 4  H318; H302; H312; H314; H332</td>
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</table>

<table>
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<th>Classification</th>
<th>Concentration</th>
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<td>EC No.:</td>
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<td></td>
<td>Acute Tox.oral 4  H302</td>
<td></td>
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</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.
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.

Physical and chemical properties

9.1 Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Yellow white powder</td>
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<tr>
<td>Odour</td>
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</tr>
<tr>
<td>Odour Threshold</td>
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</tr>
<tr>
<td>pH</td>
<td>No data available</td>
</tr>
<tr>
<td>Melting/freezing point</td>
<td>No data available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
<tr>
<td>Flammability (Solid, gas)</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
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<tr>
<td>Relative density</td>
<td>No data available</td>
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<tr>
<td>Water Solubility</td>
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</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available</td>
</tr>
<tr>
<td>Autoignition Temperature</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No data available</td>
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</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
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.

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

Components
Cetrimide

Toxicity to Fish
Danio rerio (zebra fish):LC50 0.2 mg/l;96h
(As per OECD Test Guideline 203- ECHA)

Toxicity to daphnia and other aquatic invertebrates
Daphnia magna (water flea):EC50 0.037 mg/l;48h
(As per OECD Test Guideline 202- ECHA)
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)
Daphnia (water flea): NOEC 0.023 mg/l; 21d
(As per OECD Test Guideline 211 - ECHA)

Toxicity to algae
Desmodesmus subspicatus: (green algae)
Growth rate ErC50 0.004 mg/l; 72h (ECHA)
Growth rate NOEC 0.001 mg/l; 72h (ECHA)

Toxicity to bacteria
Photobacterium phosphoreum: EC50 9.8 mg/l; 5 min (Lit.) (ECHA)

Additional information
Biodegradability
Aerobic Chemical oxygen demand
100%; 11d; (As per OECD Test Guideline 301E - ECHA)
Readily biodegradable.
>95%; 48h (As per OECD Test Guideline 302B - ECHA)
Readily eliminated from water

M-Factor
100

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.

13.2 Contaminated packaging
Dispose of as unused product.

14 Transport Information
14.1 UN-No
ADNR : 3077 ADR : 3077 IATA_C : 3077 IATA_P : 3077 IMDG : 3077 RID : 3077

14.2 UN proper shipping name
**ADNR**: Environmentally hazardous substance, solid, n.o.s

**ADR**: Environmentally hazardous substance, solid, n.o.s

**IATA_C**: Environmentally hazardous substance, solid, n.o.s

**IATA_P**: Environmentally hazardous substance, solid, n.o.s

**IMDG**: Environmentally hazardous substance, solid, n.o.s

**RID**: Environmentally hazardous substance, solid, n.o.s

### 14.3 Transport hazard class(es)
- **ADNR**: 9
- **ADR**: 9
- **IATA_C**: 9
- **IATA_P**: 9
- **IMDG**: 9
- **RID**: 9

### 14.4 Packaging group
- **ADNR**: III
- **ADR**: III
- **IATA_C**: III
- **IATA_P**: III
- **IMDG**: III
- **RID**: III

### 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

- **H302**: Harmful if swallowed
- **H312**: Harmful in contact with skin
- **H314**: Causes severe skin burns and eye damage
- **H317**: May cause an allergic skin reaction
- **H318**: Causes serious eye damage
- **H332**: Harmful if inhaled
- **Acute Tox. dermal. 4**: Acute toxicity, dermal, Category 4
- **Acute Tox.inhal. 4**: Acute toxicity, inhaled, Category 4
- **Acute Tox.oral 4**: Acute toxicity, oral, Category 4
- **Eye Dam. 1**: Serious eye damage or eye irritation, Category 1
- **Skin Corr. 1B**: Skin corrosion or irritation, Category 1B
- **Skin Sens. 1**: Sensitisation, Skin, Category 1

**Further Information**
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