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

1.1 Product Identifiers
Product Number  FD065
Product Name  Fraser Enrichment 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
Sensitisation, Skin, (Category 1), H317
Serious eye damage or eye irritation, (Category 1), H318
Sensitisation, respiratory, (Category 1), H334
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)
H302  Harmful if swallowed
H318  Causes serious eye damage
H334  May cause allergy or asthma symptoms or breathing difficulties if inhaled
H411  Toxic to aquatic life with long lasting effects
H317  May cause an allergic skin reaction
Precautionary Statement(s)

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
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.
P342 + P311 IF experiencing respiratory symptoms: call a POISON CENTER or doctor/physician.
P302 + P352 IF ON SKIN: wash with plenty of soap and water.

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>
</table>
| Acriflavine hydrochloride  | As Per EC Regulation 1272/2008  
Acute Tox.oral 4; Eye Dam. 1; Aquatic Chronic 2 | >=80 - <=90%  |
| CAS No. :                  | 8063-24-9                                                |               |
|                            | EC No. :                                                 |               |
|                            |                                                          |               |

<table>
<thead>
<tr>
<th>Component</th>
<th>Classification</th>
<th>Concentration</th>
</tr>
</thead>
</table>
| Nalidixic acid             | As Per EC Regulation 1272/2008  
Resp. Sens. 1 | >=10 - <=20% |
| CAS No. :                  | 389-08-2                                                 |               |
| EC No. :                   | 206-864-7                                                |               |

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>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Brown powder.</td>
</tr>
<tr>
<td>Odour</td>
<td>No data available</td>
</tr>
<tr>
<td>Odour Threshold</td>
<td>No data available</td>
</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>
</tr>
<tr>
<td>Relative density</td>
<td>No data available</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>No data available</td>
</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>
</tr>
<tr>
<td>Explosive properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour density</td>
<td>No data available</td>
</tr>
<tr>
<td>Thermal decomposition</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
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

Acriflavine Hydrochloride

Acute Toxicity
LD50 Oral Rat: 1,048 mg/kg

Skin corrosion/irritation
Skin - Rabbit
Result: No irritation

Serious eye damage/eye irritation
Eyes - Rabbit
Result: Irritation
Causes serious eye irritation

Additional information
RTECS: No data available
Causes cardiovascular effects, Central nervous system depression, Respiratory disorders

12 Ecological Information

12.1 Toxicity
Components
Acriflavine hydrochloride

Toxicity to Fish
Leuciscus idus (Golden orfe) LC50 :1 - 10 mg/l ;48 h
Bluegill/Sunfish LC50: 13.5 mg/l ; 48 h
Rainbow trout LC50 : 19.9 mg/l; 48 h

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

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
H318  Causes serious eye damage
H411  Toxic to aquatic life with long lasting effects
Acute Tox.oral 4  Acute toxicity, oral, Category 4
Aquatic Chronic 2  Hazardous to the aquatic environment, long term hazard, Category 2
Eye Dam. 1      Serious eye damage or eye irritation, Category 1
Resp. Sens. 1    Sensitisation, respiratory, Category 1

Further Information

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