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

1.1 Product Identifiers

Product Number	FD029
Product Name	Cetrinix 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

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2 Hazards Identification

2.1 Classification of the substance or mixture

CLP Classification-Regulation (EC) No. 1272/2008[EU-GHS/CLP]

Sensitisation, respiratory, (Category 1), H334
Sensitisation, Skin, (Category 1), H317
Acute toxicity, Oral, (Category 4), H302
Hazardous to the aquatic environment, acute hazard, (Category 1), H400
Hazardous to the aquatic environment, long term hazard, (Category 1), H410
Skin corrosion or irritation, (Category 2), H315
Serious eye damage or eye irritation, (Category 2A), H319

2.2 Label elements

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

Pictogram

Signal word Danger

Hazard Statement(s)

H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H317	May cause an allergic skin reaction
H302	Harmful if swallowed

H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H315	Causes skin irritation
H319	Causes serious eye irritation

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.
P302 + P352	IF ON SKIN: wash with plenty of soap and water.
P333 + P313	IF SKIN irritation or rash occurs: Get medical advice/attention.

2.3 Other Hazards

None

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3 Composition/Information On Ingredients

3.2 Mixture

Component		Classification	Concentration
Cetrimide			
CAS No. :	8044-71-1	**As Per EC Regulation 1272/2008** Eye Dam. 1; Acute Tox.oral 4; Acute Tox. dermal. 4; Skin Corr. 1B; Acute Tox.inhal. 4 H318; H302; H312; H314; H332	>=90 - <=100%

Component		Classification	Concentration
Nalidixic acid			
CAS No. : EC No. :	389-08-2 206-864-7	**As Per EC Regulation 1272/2008** Resp. Sens. 1 H302	>=1.0 - <=10%

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

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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

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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

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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.

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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.

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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 saftey 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.

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9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance	White to cream coloured, homogeneous free flowing powder.
Odour	No data available
Odour Threshold	No data available
pH	No data available
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

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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.

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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

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12 Ecological Information

12.1 Toxicity

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

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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.

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14 Transport Information
14.1 UN-No
ADNR : 2811 ADR : 2811 IATA_C : 2811 IATA_P : 2811 IMDG : 2811 RID : 2811

14.2 UN proper shipping name

ADNR	:	Toxic solids, organic, n.o.s.
ADR	:	Toxic solids, organic, n.o.s.
IATA_C	:	Toxic solids, organic, n.o.s.
IATA_P	:	Toxic solids, organic, n.o.s.
IMDG	:	Toxic solids, organic, n.o.s.
RID	:	Toxic solids, organic, n.o.s.

14.3 Transport hazard class(es)

ADNR : 6.1 ADR : 6.1 IATA_C : 6.1 IATA_P : 6.1 IMDG : 6.1 RID : 6.1

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

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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

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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
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
Resp. Sens. 1	Sensitisation, respiratory, Category 1
Skin Corr. 1B	Skin corrosion or irritation, Category 1B

Further Information

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.

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