

1 Identification of the substances/ mixture and of the company/ undertaking**1.1 Product Identifiers**

Product Number MU024
Product Name Cetrimide Agar Base

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

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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]

Hazardous to the aquatic environment, long term hazard, (Category 1), H410

2.2 Label elements

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



Pictogram
Signal word Warning

Hazard Statement(s)

H410 Very toxic to aquatic life with long lasting effects

Precautionary Statement(s)

P273 Avoid release to the environment.

2.3 Other Hazards

None

3 Composition/Information On Ingredients**3.2 Mixture**

| Component | Classification | Concentration |
|-----------|----------------|---------------|
|-----------|----------------|---------------|

| | | | |
|-----------|-----------|--|----------------|
| Cetrimide | | | |
| CAS No. : | 57-09-0 | As Per EC Regulation 1272/2008 Acute Tox.oral 4; Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3; Aquatic Chronic 1 H302; H315; H319; H335; H410 | >=0.1 - <=1.0% |
| EC No. : | 200-311-3 | | |

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

Carbon oxides, Potassium oxides, Hydrogen chloride gas, Magnesium oxide, 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 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 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 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

| | |
|---|--|
| Appearance | Cream to yellow coloured homogeneous free flowing powder |
| Odour | No data available |
| Odour Threshold | No data available |
| pH | 7.00 - 7.40 |
| 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

Strong oxidizing agents

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 SEC 2

Skin

REFER SEC 2

Eyes

REFER SEC 2

Ingestion

REFER SEC 2

Additional Information

RTECS : No data 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

No data available

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 |
| H315 | Causes skin irritation |
| H319 | Causes serious eye irritation |
| H335 | May cause respiratory irritation |
| H410 | Very toxic to aquatic life with long lasting effects |
| Acute Tox.oral 4 | Acute toxicity, oral, Category 4 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment, long term hazard, Category 1 |
| Eye Irrit. 2A | Serious eye damage or eye irritation, Category 2A |
| Skin Irrit. 2 | Skin corrosion or irritation, Category 2 |
| STOT SE 3 | Specific target organ toxicity, single exposure, Respiratory tract irritation, Category 3 |

Further Information

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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.