

LEPTOSPIRA ENRICHMENT SUPPLEMENT

SECTION 1: PRODUCT IDENTIFICATION

Product Name: LEPTOSPIRA ENRICHMENT SUPPLEMENT

Product Code: TS 078

REACH Registration Number: This product is a mixture. Reach registration number is not available for this mixture

Relevant identified uses of the substance or mixture and uses

Relevant identified uses :Laboratory Chemicals, Analytical Purpose, Biochemical Analysis

SECTION 2: HAZARDOUS IDENTIFICATION

Classification of the substance or mixture

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

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Label elements

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

The product does not need to be labelled in accordance with EC directives or respective national laws.

Other hazards

None

SECTION 3: COMPOSITION /INFORMATION ON INGREDIENTS

Mixture

The components of this mixture need not be disclosed as per the regulations. All ingredients in this mixture are non hazardous

SECTION 4: FIRST AID MEASURES

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 off with soap and plenty of 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.

Most important symptoms and effects, both acute and delayed

No data available.

Indication of immediate medical attention and special treatment needed

No data available

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media No data available.

Special hazards arising from the substance or mixture



Carbon oxides, Sodium oxides

Advice for fire fighters Wear self-contained breathing apparatus for fire fighting if necessary.

Further information No data available

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up

Soak up with inert adsorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Normal measures for preventive fire protection.

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

Specific end uses

Apart from the uses mentioned in section 1.2, no other specific uses are stipulated.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Components with workplace control parameters

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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

a) Appearance	:	Amber coloured solution
b) Odour	:	No data available
c) Odour Threshold	:	No data available
d) pH	:	No data available
e) Melting point/freezing point	:	No data available
f) Initial boiling point and boiling range	:	No data available
g) Flash point	:	No data available
h) Evaporation rate	:	No data available
i) Flammability (solid, gas)	:	No data available
j) Upper/lower flammability or explosive limits	:	No data available
k) Vapour pressure	:	No data available
l) Vapour density	:	No data available
m) Relative density	:	No data available
n) Water solubility	:	No data available
o) Partition coefficient noctanol/water	:	No data available
p) Auto-ignition temperature	:	No data available
q) Decomposition temperature	:	No data available
r) Viscosity	:	No data available
s) Explosive properties	:	No data available
t) Oxidizing properties	:	No data available
u) Thermal decomposition	:	No data available

Other safety information

No data available

SECTION 10: STABILITY AND REACTIVITY DATA

Reactivity:No data available

Chemical stability:No data available.

Possibility of hazardous reactions: No data available

Conditions to avoid:No data available

Incompatible materials: No data available

Hazardous decomposition products: Other Decomposition products not known.

SECTION 11: TOXICOLOGICAL INFORMATION

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 sensitization:No data available

Germ cell mutagenicity:No data available

Carcinogenicity:



IARC: No component of this product is 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 SECTION 2

Skin: REFER SECTION 2

Eyes: REFER SECTION 2

Ingestion: REFER SECTION 2

Additional Information: RTECS : No data available

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)

SECTION 12: ECOLOGICAL INFORMATION

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

Persistence and degradability

No data available

Bioaccumulative potential

No data available



Mobility in soil

No data available

PBT and vPvB assessment

This substance or mixture contains no components considered to be persistent, bioaccumulating nor toxic (PBT) at levels of 0.1% or higher.

Other adverse effects

No data available

SECTION 13: DISPOSAL CONSIDERATION

Waste treatments methods

Product

Offer surplus and non-recyclable solutions to a licenced company. Contact a licenced professional waste disposal service to dispose off this material.

Contaminated packaging

Dispose of as unused product

SECTION 14: TRANSPORT INFORMATION

UN - No

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

UN proper shipping name

ADNR : Not dangerous goods
ADR : Not dangerous goods
IATA_C : Not dangerous goods
IATA_P : Not dangerous goods
IMDG : Not dangerous goods
RID : Not dangerous goods

Transport hazard class(es)

ADNR : - ADR : - IATA_C : - IATA_P : - IMDG : - RID : -

Packaging group

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

Environmental hazards

ADNR : No ADR : No IMDG : Marine Pollutant No IATA_C : No IATA_P : No RID : No

Special precautions for use No data available

SECTION 15: REGULATORY INFORMATION

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Safety health and environment regulations/legislation specific for the substance or mixture

No data available

Chemical Safety Assessment

No data available

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

SECTION 16: OTHER INFORMATION

The information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. The information is offered solely for user's obligation to investigate and determine the suitability of the information for their particular purpose.

