CETRINIX SUPPLEMENT

SECTION 1: PRODUCT IDENTIFICATION

Product Name: CETRINIX SUPPLEMENT
Product Code: TS 075
REACH Registration Number: This product is a mixture. Reach registration number is not available for this mixture
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]
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

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

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.

Other hazards
None

SECTION 3: COMPOSITION /INFORMATION ON INGREDIENTS

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. 389-08-2 EC No. : 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

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 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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

a) Appearance	:	White to cream coloured, homogeneous free flowing powder
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: Strong oxidizing agents
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)
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.