

Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)
Classifications according to Regulation (EC) No 1272/2008.
Printdate 12 May 2023

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product name:

Ceftiofur sodium

1.1. Catalog No.:

676161

1.2. Relevant identified uses of the substance or mixture

Identified: Laboratory chemical
uses: R&D

1.3. Uses advised against:

HPC Standards GmbH
Am Wieseneck 7

04451 Cunnersdorf
Deutschland

Tel. +49 34291 3372-36
Fax. +49 34291 3372-39
contact@hpc-standards.com

1.4. Emergency telephone number

HPC Standards Tel. +49 34291 3372-36
This number is only available during office hours.

2. HAZARDS IDENTIFICATION

2.1

Classification of the substance or mixture
Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.
Not a hazardous substance or mixture according to EC
-
directives 67/548/EEC or 1999/45/EC

2.2. Label elements

2.2.1. Pictogram

2.2.2.

2.2
Label elements
Caution

-
substance not yet tested completely.

2.3
Other hazards

-
none

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1
Substances
Formula
:
C
19
H
17
N
5
O
7
S
3
Molecular Weight
:
523,56 g/mol

3.1.1. Formula

C19H16N5NaO7S3

3.1.2. Molecular Weight (g/mol)

545.54

3.1.3. CAS-No.

104010-37-9

4. FIRST AID MEASURES

4.1
Description of first aid measures
If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration.
In case of skin contact
Wash off with soap and plenty of water.
In case of eye contact
Flush eyes with water as a precaution.
If swallowed
Never give anything by mouth to an unconscious person. Rinse mouth with water 4.2
Most important symptoms and effects, both acute and delayed
To the best of our knowledge, the chemical, physical, and
toxicological properties have not been
thoroughly investigated.
4.3
Indication of any 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.
5.2
Special hazards arising from the substance or mixture
Carbon oxides, nitrogen oxides (NOx), Sulphur oxides
Carbon oxides, nitrogen oxides (NOx), Sulphur oxides
5.3
Advice for firefighters
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
Avoid dust formation. Avoid breathing vapors, mist or gas.

6.2

Environmental precautions

Do not let product enter drains.

6.3

Methods and materials for containment and cleaning up

Sweep up and shovel. 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

Provide appropriate exhaust ventilation at places where dust is formed.

7.2

Conditions

for safe storage, including any incompatibilities

Store in cool place.

Keep container tightly closed in a dry and well

-

ventilated place.

Recommended storage temperature:

-

20 °C

Keep in a dry place.

7.3

Specific end uses

no data available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1

Control parameters

Components with workplace control parameters

8.2

Exposure controls

Appropriate engineering controls

General industrial hygiene practice.

Personal protective equipment

Eye/face protection

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 of contaminated gloves after use in accordance with applicable law and good laboratory practices.

Wash and dry Hands. Body Protection

Choose body protection in

relation to its type, to the concentration and amount of dangerous substances, and to the specific work

-

place., The type of protective equipment must be selected

according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1

Information on basic physical and chemical properties

a)

Appearance

Form

:

powder

Colour

:

white

b)

Odour

no data available

c)
Odour Threshold
no data available
d)
pH
no data available
e)
Melting point/freezing
point
186
-
198 °C
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: n
-
octanol/water
no data available
p)
Autoignition
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
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
Other decomposition products
-
no data available

11. TOXICOLOGICAL INFORMATION

11.1
Information on toxicological effects
Acute toxicity
LD50
Oral
-
rat
-
> 7.760 mg/kg
Skin corrosion/irritation
no data available
Serious eye damage/eye irritation
no data available
Respiratory or skin sensitization
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
Specific target organ toxicity
-
repeated exposure
no data available
Aspiration hazard
no data available
Potential health effects
Inhalation
May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion
May be harmful if swallowed.
Skin
May be harmful if absorbed through skin. May cause skin irritation.
Eyes
May cause eye irritation.
Signs and Symptoms of Exposure
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
Additional Information
RTECS
:
Not available

12. ECOLOGICAL INFORMATION

12.1
Toxicity
no data available
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

Results of PBT and vPvB assessment
no data available
12.6
Other adverse effects
no data available

13. DISPOSAL CONSIDERATIONS

13.1
Waste treatment methods
Product
Offer surplus and non
-
recyclable solutions to a licensed disposal company.
Contaminated packaging
Dispose of as unused product

14. TRANSPORT INFORMATION

14.1
UN number
ADR/RID
:
-
IMDG
:
-
IATA:
-
14.2
UN proper shipping name
ADR/RID
:
Not dangerous goods
IMDG
:
Not dangerous goods
IATA:
Not dangerous goods
14.3
Transport hazard class(es)
ADR/RID
:
-
IMDG
:
-
IATA:
-
14.4
Packaging group
ADR/RID
:
-
IMDG
:
-
IATA:
-
14.5
Environmental hazards
ADR/RID
:
no
IMDG
Marine pollutant
:
no
IATA:
no
14.6
Special precautions for user
no data available

15. REGULATORY INFORMATION

This safety datasheet complies with the requ

irements of Regulation (EC) No. 1907/2006.

15.1

Safety, health and environmental regulations/legislation specific for the substance or mixture
no data available

15.2

Chemical Safety Assessment
no data available

16. OTHER INFORMATION

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. For lab use only!