Discovery Fine Chemicals Limited
Unit 4 A, Old Forge Road, Ferndown Ind. Estate
Wimborne, Dorset. BH21 7RR .United Kingdom

Tel: +44 (0)1202 874517 Fax +44 (0)845 094 4385
Email: pjc@discofinechem.com
Web: www.discofinechem.com

Registered in England No. 5971945
VAT No GB 896 9965 19

MATERIAL SAFETY DATA SHEET

Cefoperazone Sodium Salt

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING
Product Name: Cefoperazone Sodium Salt. Dated: 19th November 2019 Version: Discofinechem6
Company: Discovery Fine Chemicals Ltd
Unit 4A, Old Forge Road, Ferndown Ind. Estate,
Wimborne, Dorset, BH21 7RR. United Kingdom
Telephone: +44 (0)1202 874517
Fax: +44 (0)845 0944 385
E-mail: info@discofinechem.com

2. HAZARDS IDENTIFICATION
2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]
Respiratory sensitization (Category 1)
Skin sensitization (Category 1)
Classification according to EU Directives 67/548/EEC or 1999/45/EC
May cause sensitization by inhalation and skin contact.
2.2 Label elements
Labelling according Regulation (EC) No 1272/2008 [CLP]
Pictogram

Signal word: Danger
Hazard statement(s)
H317 May cause an allergic skin reaction.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Precautionary statement(s)
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves.
P285: In case of inadequate ventilation wear respiratory protection
P302 + P352: IF ON SKIN: Wash with plenty of soap and water.
Classification according to EU Directives 67/548/EEC or 1999/45/EC
Hazard symbol(s)

Xn Harmful
R-phrase(s)
R42/43 May cause sensitization by inhalation and skin contact.
S-phrase(s)
S22 Do not breathe dust.
S36/37 Wear suitable protective clothing and gloves.
2.3 Other hazards – none
3. COMPOSITION/INFORMATION ON INGREDIENTS
Formula: C25H26N9NaO8S2 Molecular Weight: 667.65g/mol
CAS-No. 62893-20-3 E.C.No. 263-751-5 Index-No:- Classification: Resp. Sens. 1; Skin Sens. 1; H317, H334 Xn, R42/43 Concentration: -
For the full text of the H-Statements mentioned in this Section, see Section 16.
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 off with soap and plenty of water. Consult a physician.

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. Consult a physician.
4.2 Most important symptoms and effects, both acute and delayed - no data available
4.3 Indication of any immediate medical attention and special treatment needed - no data available
5. FIREFIGHTING 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, Sodium 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
Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas.
Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
6.2 Environmental precautions - Do not let product enter drains.
6.3 Methods and materials for containment and cleaning up - Pick up and arrange disposal without creating dust. 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 - Avoid contact with skin and eyes. Avoid formation of dust and aerosols. 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: 2 - 8 °C
7.3 Specific end uses - no data available
8. EXPOSURE CONTROLS/PERSONAL PROTECTION
8.1 Control parameters
Components with workplace control parameters
Contains no substances with occupational exposure limit values.
8.2 Exposure controls
Appropriate engineering controls - Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Respiratory protection - For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).
Hand protection - The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. 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 laws and good laboratory practices. Wash and dry hands.
Eye protection - Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin and 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.
Hygiene measures - Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
9. PHYSICAL AND CHEMICAL PROPERTIES
9.1 Information on basic physical and chemical properties
a) Appearance - Form: 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 - ca.50 g/l
o) Partition coefficient: n-octanol/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
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 - 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 - > 12,000 mg/kg
Remarks: Behavioral: Somnolence (general depressed activity).
Skin corrosion/irritation
Serious eye damage/eye irritation - no data available
Respiratory or skin sensitization - May cause allergic respiratory and skin reactions
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 - Reproductive toxicity - rat - Intravenous
Maternal Effects: Other effects.
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.
Additional Information - RTECS: Not available
12. ECOLOGICAL INFORMATION
12.1 Toxicity - no data available
12.2 Persistence and degradability - no data available
12.3 Bio-accumulative 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. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.
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 requirements 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

Further information

Text of H-code(s) and R-phrase(s) mentioned in Section 2 and 3

H317 May cause an allergic skin reaction.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Resp. Sens. Respiratory sensitization
Skin Sens. Skin sensitization
Xn Harmful
R42/43 May cause sensitization by inhalation and skin contact.

WARRANTY

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.

Discover the Future, the Future is Discovery.
www.discofinechem.com