



Material Safety Data Sheet

Section 1: Product and Company Identification			
Product Name	Cefoperazone		
Catalogue Number:	AS-2005	CAS Number:	62893-19-0
E-mail:	Sales@ausamics.com	Website:	Ausamics.com

Section 2: Hazards Identification	
Classification of the substance or mixture GHS Classification in accordance with Hazardous Products Regulations (HPR) (SOR/2015-17) Respiratory sensitization (Category 1), H334 Skin sensitization (Category 1), H317	
GHS Label elements, including precautionary statements	
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/ fumes/ gas/ mist/ vapors/ spray. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear protective gloves. P284 Wear respiratory protection. P302 + P352 IF ON SKIN: Wash with plenty of water. P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention. P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTER/ doctor. P362 + P364 Take off contaminated clothing and wash it before reuse. P501 Dispose of contents/ container to an approved waste disposal plant.	
Hazards not otherwise classified (HNOC) or not covered by GHS Caution: Physiologically highly active, therapeutically usable substance. The substance must be handled with the care required for hazardous materials. - none	

Section 3: Composition / Information on Ingredients			
Mixture			
Component		Classification	Concentration*
Cefoperazone dihydrate			
Formula	C25H27N9O8S2 · 2H2O	Resp. Sens. 1; Skin Sens. 1; H334, H317	<= 100 %
Molecular weight	681.70 g/mol		
CAS-No.	113826-44-1		



EC-No.	663-513-4		
* Weight %			

Section 4: First Aid Measures	
Description of first-aid measures	
General advice	First aider needs to protect himself. Show this material safety data sheet to the doctor in attendance.
If inhaled	After inhalation: fresh air. Call in physician.
In case of skin contact	In case of skin contact: Take off immediately all contaminated clothing. Rinse skin with water/ shower. Consult a physician.
In case of eye contact	After eye contact: rinse out with plenty of water. Remove contact lenses.
If swallowed	After swallowing: immediately make victim drink water (two glasses at most). Consult a physician.
Most important symptoms and effects, both acute and delayed	
The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.	
Indication of any immediate medical attention and special treatment needed	
No data available	

Section 5: Fire Fighting Measures	
Extinguishing media	
Suitable extinguishing media	
Water Foam Carbon dioxide (CO2) Dry powder	
Unsuitable extinguishing media	
For this substance/mixture no limitations of extinguishing agents are given.	
Special hazards arising from the substance or mixture	
Carbon oxides Nitrogen oxides (NOx) Sulfur oxides Combustible. Development of hazardous combustion gases or vapors possible in the event of fire.	
Advice for firefighters	
Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.	
Further information	
Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.	

Section 6: Accidental Release Measures	
Personal precautions, protective equipment and emergency procedures	
Advice for non-emergency personnel: Avoid inhalation of dust. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.	
Environmental precautions	
Do not let product enter drains.	
Methods and materials for containment and cleaning up	
Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up carefully. Dispose of properly. Clean up affected area. Avoid generation of dusts.	



Reference to other sections

For disposal see section 13.

Section 7: Handling and Storage

Precautions for safe handling

Advice on safe handling

Work under hood. Do not inhale substance/mixture.

Hygiene measures

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

For precautions see section 2.

Conditions for safe storage, including any incompatibilities

Storage conditions	Tightly closed. Dry. Keep locked up or in an area accessible only to qualified or authorized persons.
Storage stability	Recommended storage temperature 2 - 8 °C
Storage class	(TRGS 510): 11: Combustible Solids

Section 8: Exposure Controls / Personal Protection

Control parameters

Components with workplace control parameters

Exposure controls

Appropriate engineering controls

Immediately change contaminated clothing. Apply preventive skin protection. Wash hands and face after working with substance.

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). Safety glasses.

Skin protection

Full contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: KCL 741 Dermatrill® L

Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.11 mm

Break through time: 480 min

Material tested: KCL 741 Dermatrill® L

Body Protection

protective clothing

Respiratory protection

required when dusts are generated.

Our recommendations on filtering respiratory protection are based on the following standards: DIN EN 143, DIN 14387 and other accompanying standards relating to the used respiratory protection system.

Control of environmental exposure

Do not let product enter drains.



Section 9: Physical and Chemical Properties	
Physical state	Solid
Odor	No data available
Odor Threshold	No data available
Melting point/freezing point	No data available
Initial boiling point and boiling range	No data available
Evaporation rate	No data available
Flammability (solid, gas)	No data available
Upper/lower flammability or explosive limits	No data available
Flash point	No data available
Vapor pressure	No data available
Vapor density	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
pH	No data available
Viscosity	No data available
Water solubility	No data available
Partition coefficient: n-octanol/water	No data available
Relative density	No data available
Explosive properties	No data available
Oxidizing properties	No data available
Other safety information	No data available

Section 10: Stability and Reactivity
Reactivity The following applies in general to flammable organic substances and mixtures: in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.
Chemical stability The product is chemically stable under standard ambient conditions (room temperature).
Possibility of hazardous reactions No data available
Conditions to avoid no information available
Incompatible materials Strong oxidizing agents
Hazardous decomposition products In the event of fire: see section 5



Section 11: Toxicological Information	
Information on toxicological effects	
Mixture	
Acute toxicity	No data available Inhalation: No data available Dermal: No data available No data available
Skin corrosion/irritation	No data available
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 ingredient 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
Additional Information	Not available To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12: Ecological Information	
Toxicity	
Mixture	No data available
Persistence and degradability	No data available
Bio accumulative potential	No data available
Mobility in soil	No data available
Results of PBT and vPvB assessment	PBT/vPvB assessment not available as chemical safety assessment not required/not Conducted.
Other adverse effects	No data available

Section 13: Disposal Consideration	
Waste treatment methods	
Product	Offer surplus and non- recyclable solutions to a licensed company. Contact a licensed professional waste disposal service to dispose of this material
Contaminated packaging	Dispose of as unused product.



Section 14: Transport Information	
TDG	Not regulated as a dangerous good
IMDG	Not dangerous goods
IATA	Not dangerous goods
Further information	Not classified as dangerous in the meaning of transport regulations.

Section 15: Regulatory Information
This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

Section 16: Additional Notes	
Documented By	Ausamics Life Science Sales@Ausamics.com
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Summary of Revisions	This document has been revised to meet the requirements of the US OSHA HazCom 2012 Standard, which supersedes the existing regulations outlined in 29 CFR 1910.1200, in order to align with the internationally recognized globally Harmonized System of Classification and Labeling of chemicals (GHS).
Disclaimer	The information presented in this Safety Data sheet is accurate to the best of our knowledge, information, and belief at the time of publication. It is intended as a guide for the safe handling, use, processing, storage, transportation, disposal, and release of specific materials. However, it should be interpreted as a warranty or quality specification. The provided information pertains solely to the designated material and may not be applicable to its use in combination with other materials or in any process, unless explicitly stated in the text.