



SAFETY DATA SHEET

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

Catalogue No. : Z 10729
Product Name : ZINC SULPHATE L.R.

Manufacturer/supplier identification Company : NICE Chemicals (P) Ltd., Cochin, India
Tel - 0484 2800212, 2802755

Contact for information : Tel. No.- 0484 2802536 Fax : 0484 2802483
Emergency Telephone No : 0484 2801583 Telefax No. : 0484 2802483

2. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : ZINC VITRIOL
CAS-No : 7446-20-0 Ec-Index No. : 030-006-00-9
Molar Mass : 287.54 EC-No. : 231-793-3
Molecular Formula : $O_4SZn \cdot 7H_2O$

3. HAZARDS IDENTIFICATION

Irritating to eyes and skin

4. FIRST AID MEASURES

After inhalation : Fresh air.
After skin contact : Wash off with plenty of water, Remove contaminated clothing.
After eye contact : Rinse out with plenty of water with the eyelid held wide open. Summon eye specialist.
After swallowing : Make victim drink plenty of water, induce vomiting, Summon doctor.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : In adaption to materials stored in the immediate neighbourhood.
Special risks : Development of hazardous combustion gases or vapours possible in the event of fire.



SAFETY DATA SHEET

Catalogue No. : Z 10729

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The following may develop in event of fire : Sulphur oxides.

Special protective equipment for fire fighting : Do not stay in dangerous zone without self-contained breathing apparatus.

Other information : Non-combustible.

6. ACCIDENTAL RELEASE

Person related precautionary measures : Avoid generation of dusts; do not inhale dusts

Procedures for cleaning/absorption : Take up dry, Forward for disposal, Clean up affected area.

7. HANDLING AND STORAGE

Handling : No further requirements.

Storage : Tightly closed. Dry.

Storage temperature : no restrictions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTIVE EQUIPMENT PROTECTION

Required when dusts are generated. Personal protection

Eye Protection : Required

Hand Protection : Required

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Industrial hygiene : Change contaminated clothing. Application of skin- Protective barrier cream recommended. Wash hands after working with substance



SAFETY DATA SHEET

Catalogue No. : Z 10729
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9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: Solid
Colour	: Colourless to white
Odour	: Odourless
pH value at 50 g/l H ₂ O (20° C)	: ~ 4.6
Melting temperature	: ~ 40° C
Boiling temperature	: Not available
Ignition temperature	: Not available
Flash Point	: Not available
Explosion limit lower	: Not available
Upper	: Not available
Relative vapour density	: Not available
Density (20° C)	: 1.97 g/cm ³
Bulk density	: 800 - 1000 Kg/m ³
Solubility in Water (20° C)	: 960 gm/lt.
Ethanol (20° C)	: Almost insoluble

10. STABILITY & REACTIVITY

Conditions to be avoided: Strong heating.

Substances to be avoided: no information available.

Hazardous decomposition products: in the event of fire: sulphur oxides.

Further information: release water of crystallization when heated.

11. TOXICOLOGICAL INFORMATION :



SAFETY DATA SHEET

Acute Toxicity : LD₅₀ (oral, rat) : 2150 mg/Kg :

Catalogue No. : Z 10729

Product Name : ZINC SULPHATE L.R.

Further toxicological information:

After inhalation of dusts: Damage of : respiratory tract. Inhalation may lead to the formation of oedemas in the respiratory tract.

After skin contact : Irritations., mucosal irritations.

After eye contact : Irritations.

After swallowing : Irritations of mucous membranes in the mouth, pharynx, oesophagus and gastrointestinal tract. pain, vomiting, diarrhoea.

After uptake of large quantities : drop on blood pressure, cardiovascular disorders, collapse.

Further data : Further hazardous properties cannot be excluded. The product should be handled with the care usual when dealing with chemicals.

12. ECOLOGICAL INFORMATION

Behavior in environmental compartments :

Evaluation number (FRG) (fish) : 4.4 #valuation number (FRG) (mammal) : 3.0

Ecotoxic effects : Biological effects : Toxic for aquatic organisms. Bactericidal effect. Hazard for drinking water supplies.

Further ecologic data : Aharmful effect on aquatic organisms cannot be excluded in the event of improper handling or disposal

13. DISPOSAL METHOD

There are no uniform EC Regulations for the disposal of chemicals or residues Chemical residues generally count as special waste. The disposal of the latter is regulated in the EC member countries through corresponding laws & regulations.

We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.



SAFETY DATA SHEET

Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

Catalogue No. : Z 10729

Product Name : ZINC SULPHATE L.R.

14. TRANSPORT INFORMATION

Not subject to transport regulations

15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol	:	Xn	Harmful
R-phrases	:	36/38	Irritating to eyes and skin.
S-phrases	:	22-25	Do not breath dust. Avoid contact with eyes.
EC-No.	:	231-793-3	EC label
Water pollution class	:	1	(slightly polluting substance)

16. OTHER INFORMATION :

Reason for alteration

Change in labelling.

General update.

The information contained herein is based on the present state of our knowledge. It characterises the product with regard to the appropriate safety precautions. it does not represent a guarantee of the properties of the product.
