



# SAFETY DATA SHEET

## 1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : Z 10329  
Product Name : **ZINC CHLORIDE ANHYDROUS 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 Tele fax No. : 0484 2802483

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## 2. COMPOSITION / INFORMATION ON INGREDIENTS

CAS-No : 7646-85-7 Ec-Index No. : 030-003-00-2  
Molar Mass : 116.07 EC-No. : 231-592-0  
Molecular Formula :  $\text{Cl}_2\text{Zn}$

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## 3. HAZARDS INDEX

Causes burns.

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## 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 eyelids held open  
After swallowing : Make victim drink plenty of water, Avoid vomiting summon doctor .  
Do not try to neutralize

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## 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. The following may develop in the event of fire : Chlorine, hydrochloric acid

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

Other Information : Non-combustible. Prevent fire – fighting water from entering surface water or ground water

## 6. Accidental release Measures :

Procedure for cleaning/absorption : Take up dry. Forward for disposal. Clean up affected area.  
Person related precautionary measures: Avoid generation of dusts , do not inhale dusts

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## 7. HANDLING AND STORAGE :

Handling : No further requirements.  
Storage : Tightly closed. Dry , In a well ventilated place at +15<sup>0</sup>C to +25<sup>0</sup>C

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## 8. EXPOSURE CONTROLS/PERSONAL PERSONAL PROTECTIVE EQUIPMENT PROTECTION

Respiratory protection : Required when dusts are generated.  
Eye protection : Required  
Hand protection : Required

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

Industrial hygiene : Change contaminated clothing . Wash hands and face after working with substance.

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## 9. PHYSICAL AND CHEMICAL

Form	:	solid
Colour	:	white
Odour	:	odourless
PH value at 100 gm/lt. H <sub>2</sub> O (20°C)	:	~5
Melting temperature	:	318 <sup>0</sup> C
Boiling temperature	:	730°C
Ignition temperature	:	Not available
Flash point	:	Not available
Explosion limits Lower	:	Not available
Upper	:	Not available
Relative vapour density	:	Not available
Density (20°C)	:	~2.9 gm/cm <sup>3</sup>
Bulk density	;	~1400 – 1800 kg/m <sup>3</sup>
Solubility in water (20°C)	:	3680 gm/lt.
Ethanol (20°C)	:	Soluble

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## 10. STABILITY AND REACTIVITY

Conditions to be avoided : No information available.  
Substance to be avoided : No information available  
Hazardous decomposition products : No information available

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## 11. TOXICOLOGICAL INFORMATION

Acute toxicity : LD50(oral, rat) : 350 mg/kg  
Further toxicological information : When dusts are generated : Damage of respiratory tract.  
Inhalation may lead to the formation of oedemas in the respiratory tract.  
After contact with substance : Burns of eyes, skin, mucous membrane.  
After swallowing and gastrointestinal tract. : Irritations of mucous membranes in the mouth, pharynx, oesophagus  
Pain, vomiting, diarrhoea.  
After uptake of large quantities : drop in blood pressure,  
cardiovascular disorders, collapse.

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## 12. ECOLOGICAL INFORMATION

### Ecotoxic effects

Biological effects : Hazard for drinking water supplies  
Fish toxicity : L.idus LC50 : 21 mg/lt.  
Arthropods : Daphnia magna LC50 : 12 mg/lt.  
Further ecologic data : Do not allow to enter waters, waste water or soil

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## 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 and 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 .





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### 16. OTHER INFORMATION :

Reason for alteration

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.

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