



# SAFETY DATA SHEET

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

Catalogue No. A71329  
Product Name: **AMMONIUM OXALATE A.R.**

### *Manufacturer / supplier identification*

Company : NICE CHEMICALS PVT.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

Synonyms : Oxalic acid ammonium salt  
CAS-No : 6009-70-7  
EC –No. : 214-202-3  
Molar mass : .....  
Molecular formula :  $C_2H_8N_2O_4 \cdot H_2O$   
EC-Index No. : 607-007-00-3

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## 3. HAZARDS IDENTIFICATION

Harmful in contact with skin and if swallowed.

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## 4. FIRST AID MEASURES

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, if necessary.  
After inhalation : fresh air.  
After swallowing : make the victim drink plenty of water , induce vomiting.  
Summon doctor.

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## 5. FIRE – FIGHTING MEASURES

Suitable extinguishing media : water, foam, CO<sub>2</sub>, powder.

Special risks : Combustible. Formation of hazardous combustion gases, vapours possible in event of fire : ammonia, nitrogen oxides, carbon monoxide.

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## 6. ACCIDENTAL RELEASE MEASURES

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.

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## 7. HANDLING AND STORAGE

Handling : No further requirements.

Storage : Tightly closed. Dry. at +15<sup>0</sup>C to +25<sup>0</sup>C.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protective equipment

Respiratory protection : required when dusts are generated.

Eye protection : required

Hand protection : required

Industrial hygiene : Change contaminated clothing.

Wash hands after working with substance.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : solid  
Colour : white  
Odour : odourless.  
PH value at 50g/l H<sub>2</sub>O (25<sup>0</sup>C) : near 6.3



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Melting temperature : Not available  
Boiling temperature : 70°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) : ~1.50 g/cm<sup>3</sup>  
Bulk density : near 480 Kg/m<sup>3</sup>  
Solubility in water(20°C) : near 45 g/l  
water (50°C) : 118 g/l  
ethanol : sparingly soluble  
ether : insoluble  
Thermal decomposition : >70°C  
>150°C

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### 10. STABILITY AND REACTIVITY

Conditions to be avoided : Strong heating.  
Substance to be avoided : No information available  
Hazardous decomposition products : ammonia, carbon dioxide, carbon monoxide.  
Further information : Explosible with air in a vaporous/gaseous state  
when heated.

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### 11. TOXICOLOGICAL INFORMATION

Acute toxicity : No special data.  
Further toxicological information : After skin contact : irritations  
After eye contact : irritations  
After absorption : nausea, vomiting, agitation,  
spasms, cardiovascular failure, collapse. Damage  
of : kidneys



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The following applies to oxalates in general: nausea and vomiting after swallowing. Mucosal irritations, coughing and dyspnoea after inhalation. Systematic effect : drop-in the blood calcium level, toxic effect on kidneys, cardiovascular disorders.

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### 12. ECOLOGICAL INFORMATION

Ecotoxic effects :

Biological effects :

Toxic for aquatic organisms. Fish EC<sub>0</sub>: 2 mg/lit ; plankton EC<sub>0</sub>: 2 mg/lit

Further ecologic data : The following applies to ammonium ions in general : biological effects : fish : toxic as from 0.3 mg/lit ; nourishment for fish: toxic as from 0.3 mg/lit.

Depending on the concentration, phosphorus and/or nitrogen compounds may contribute to the eutrophication of drinking-water supplies.

No ecological problems are to be expected when the product is handled and used with due care and attention.

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### 13. DISPOSAL METHOD

#### *Product*

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

#### *Packaging*

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.

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## 14. TRANSPORT INFORMATION

Transport over land ADR/RID and GGVS/GGVE

GGVS/GGVE class : 6.1                      Number and letter 25<sub>C</sub>

ADR/RID class : 6.1                      Number and letter 25<sub>C</sub>

Name of material : Ammonium oxalate

River transport AND/ADNR : not examined

Sea transport

IMDG class : 6.1                      UN No. : 2811

Ems : 6.1-04                      MFAG : 4.2      Packing group : III

Correct technical name : TOXIC SOLID, ORGANIC, N.O.S.

(AMMONIUM OXALATE)

Air transport ICAO-TI and IATA-DGR

ICAO/IATA class : 6.1                      UN/ID No. 2811

Correct technical name : TOXIC SOLID, ORGANIC, N.O.S.

(AMMONIUM OXALATE)

The transport regulations are cited according to international regulations and in the form applicable in Germany (GGVS/GGVE). Possible national deviations in other countries are not considered.

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## 15. REGULATORY INFORMATION

*Labelling according to EC Directives*

Symbol:                      X<sub>n</sub>                      Harmful

R-phrases:                      21/22                      Harmful in contact with skin and if swallowed.

S-phrases:                      24/25                      Avoid contact with skin and eyes

Water pollution class : 1 (slightly polluting substance) (own classification)

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### 16. OTHER INFORMATION

Reason for alteration : change in labelling

*The information contained here in is based on the present state of our knowledge.*

*It characterizes 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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