



SAFETY DATA SHEET

1. IDENTIFICATION OF THE PREPARATION AND OF THE COMPANY

Catalogue No. : A 15429
Product Name : AMMONIUM THIOCYANATE 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 : Ammonium Sulphocyanide, Ammonium Rhodanide

CAS-No : 1762-95-4 Ec-Index No. : 615-004-00-3
Molar Mass :
EC-No. : 217-175-6
Molecular Formula : $\text{CH}_4\text{N}_2\text{S}$

3. HAZARDS INDEX : Harmful by inhalation, in contact with skin and if swallowed.
Contact with acids liberates very toxic gas.

4. FIRST AID MEASURES

After inhalation : Fresh air. If necessary, apply mouth -to- mouth resuscitation
or mechanical ventilation. Oxygen mask. Summon doctor.

After skin contact : Wash off with plenty of water.

After eye contact : Rinse out with plenty of water with the eyelid held wide open.

After swallowing : Make victim drink plenty of water, induce vomiting.
Summon doctor.



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5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : In adaption to materials stored in the immediate neighbourhood.

Special risks : Non-combustible. Ambient fire may liberate hazardous vapours.

The following may develop in event of fire : ammonia, sulphur oxides, hydrogen cyanide.

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

Other information : Prevent fire-fighting water from entering surface water or groundwater.

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.

7. HANDLING AND STORAGE

Handling - No further requirements.

Storage -Tightly closed. Dry. Protected from light. At +15 C to +25 C.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Respiratory protection : Required when dusts are generated.

Eye Protection : required

Hand Protection : required

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



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9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: solid
Colour	: white
Odour	: odourless
pH value at 50 g/l H ₂ O (20° C)	: 4.8 - 5.8
Melting temperature	: ~150° C
Boiling temperature	: 170° C (decomposition)
Ignition temperature	: Not applicable
Flash Point	: None
Explosion limit lower	: Not applicable
upper	: Not applicable
Relative vapour density	: Not available
Density (20° C)	: 1.3 gm/cm ³
Bulk density	: Near 600 g/m ³
Solubility in Water (0° C)	: 1180 gm/l.
Water (19° C)	: 1650 gm/l.
Ethanol	: Soluble
Thermal decomposition	: 170° C

10. STABILITY AND REACTIVITY

Conditions to be avoided : No information available.
Substances to be avoided : Acids, oxidizing agent.
Hazardous decomposition products : No information available
Further information : light-sensitive; hygroscopic.

11. TOXICOLOGICAL INFORMATION

Acute toxicity : LDLo (oral,human) : 15 g
Subacute to chronic toxicity :
Bacterial mutagenicity : Ames-Test : negative
Further toxicological information :
After skin contact : No irritation
After eye contact : Slight irritations



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After swallowing : Rapid absorption, fever, CNS disorders, vomiting, agitation, spasms, collapse, coma. No sensitizing effect (skin)

Further data : The product should be handled with the care usual when dealing with chemicals.

12. ECOLOGICAL INFORMATION

Biologic degradation : Biodegradable

Ecotoxic effects : No special data

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

Do not allow to enter waters, waste water, or soil !

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.

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 : Not subject to transport regulations

15. REGULATORY INFORMATION

Labelling according to EC Directives

Symbol	:	Xn	Harmful
R-phrases	:	20/21/22-32	Harmful by inhalation, in contact with skin and if swallowed. Contact with acids liberates very toxic gas.
S-phrases	:	13	Keep away from food, drink and animal feeding stuffs.
EC-No.	:	217-175-6	EC label
Water pollution class	:	1	(slightly polluting substance) (own classification)

16. OTHER INFORMATION

Reason for alteration

Change in labeling.

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.
