



## AMMONIUM THIOCYANATE 0.1 N

### 1. Product Identification

Synonyms: Ammonium Thiocyanate, 0.1 Normal (N/10) Volumetric Solution

CAS No.: 1762-95-4

Molecular Weight: 76.12

Chemical Formula:  $\text{NH}_4\text{SCN}$  in aqueous solution.

Product Codes: 21003

### 2. Composition/Information on Ingredients

Ingredient	CAS No	Percent
Ammonium Thiocyanate	1762-95-4	0.7 - 0.8%
Water	7732-18-5	> 99%

### 3. Hazards Identification

Inhalation: Not expected to be a health hazard.

Ingestion: Very large doses may cause vomiting, disorientation, weakness, low blood pressure and convulsions.

Skin Contact: No adverse effects expected.

Eye Contact: No adverse effects expected.

Chronic Exposure: No information found.

Aggravation of Pre-existing Conditions: No information found.

### 4. First Aid Measures

Inhalation: Not expected to require first aid measures.

Ingestion: If large amounts were swallowed, give water to drink and get medical advice.

Skin Contact: Wash exposed area with soap and water. Get medical advice if irritation develops.

Eye Contact: Wash thoroughly with running water. Get medical advice if irritation develops.

### 5. Fire Fighting Measures

Fire: Not considered to be a fire hazard.

Explosion: Not considered to be an explosion hazard.

Fire Extinguishing Media: Use any means suitable for extinguishing surrounding fire.

Special Information: In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.



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Works : Plot No.1022, Modern Industrial Estate, Bahadurgarh-124507, Haryana (India)  
Telephone : 0091 - 11 - 23646422 E-mail : tecpharm@gmail.com  
Website : www.technopharmchem.com

#### 6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Contain and recover liquid when possible. Collect liquid in an appropriate container or absorb with an inert material (e.g., vermiculite, dry sand, earth), and place in a chemical waste container.

#### 7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Store in the dark.

#### 8. Exposure Controls/Personal Protection

Airborne Exposure Limits: None established.

Ventilation System: In general, dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

Personal Respirators (NIOSH Approved): Not expected to require personal respirator usage.

Skin Protection: Wear protective gloves and clean body-covering clothing.

Eye Protection: Use chemical safety goggles. Maintain eye wash fountain and quick-drench facilities in work area.

#### 9. Physical and Chemical Properties

Appearance: Clear, colorless solution.

Odor: Odorless.

Solubility: Infinitely soluble.

Specific Gravity: 1.1-1.15 @ 20C

pH: No information found.

% Volatiles by volume @ 21C (70F): > 90 (as water)

Boiling Point: ca. 100C (ca. 212F)

Melting Point: ca. 0C (ca. 32F)

Vapor Density (Air=1): No information found.

Vapor Pressure (mm Hg): Essentially the same as water.

Evaporation Rate (BuAc=1): No information found.

#### 10. Stability and Reactivity

Stability: Stable under ordinary conditions of use and storage. Slowly decomposes on exposure to light.

Hazardous Decomposition Products: Emits toxic fumes of ammonia, nitric oxides, sulfur oxides, thiocyanates, and cyanide when heated to decomposition.

Hazardous Polymerization: Will not occur.

Incompatibilities: Lead nitrate, chlorates, nitrates, nitric acid, organic peroxides, oxidizing agents, peroxides, sodium chlorate, and potassium chlorate. Reacts with acid to liberate toxic hydrogen cyanide.

Conditions to Avoid: Incompatibles.

#### 11. Toxicological Information

No information found

#### 12. Ecological Information

Environmental Fate: No information found.

Environmental Toxicity: No information found.

The information contained herein is in good faith but makes no representations as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. We do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.



### 13. Disposal Considerations

Dispose of container and unused contents in accordance with federal, state and local requirements.

### 14. Transport Information

Not regulated.

### 15. Regulatory Information

SARA 311/312: Acute: No Chronic: No Fire: No Pressure: No  
Reactivity: No (Mixture / Liquid)

### 16. Other Information

Product Use:

Laboratory Reagent.