

## SAFETY DATA SHEET (GHS)

Guanidinium Thiocyanate | CAS 593-84-0

### Section 1: Identification

|                   |                                                                                                                                                         |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name      | Guanidinium Thiocyanate                                                                                                                                 |
| CAS Number        | 593-84-0                                                                                                                                                |
| Recommended Use   | RNA extraction (Chomczynski-Sacchi), Protein denaturation, Chaotropic agent                                                                             |
| Supplier          | ChemicalPro — Green Vision Technical Services, Plot No. 6, Survey No. 599/2, Airport Road, Janori, Tal: Dindori, Dist: Nashik 42206, Maharashtra, India |
| Emergency Contact | +91 75070 06931 (Mon–Sat 9:00–18:00 IST)                                                                                                                |

### Section 2: Hazard Identification

|                        |                                                                                              |
|------------------------|----------------------------------------------------------------------------------------------|
| GHS Classification     | Refer to SDS                                                                                 |
| Signal Word            | Warning                                                                                      |
| Precautionary Overview | Handle in accordance with good industrial hygiene and safety practice. See Sections 7 and 8. |

### Section 3: Composition / Information on Ingredients

|                       |                         |
|-----------------------|-------------------------|
| Substance             | Guanidinium Thiocyanate |
| CAS                   | 593-84-0                |
| Formula               | —                       |
| Concentration / Grade | LR Grade/≥98%           |

### Section 4: First-Aid Measures

|              |                                                                                                                                                                    |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eye Contact  | Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If irritation persists, get medical attention. |
| Skin Contact | Wash with plenty of soap and water. Remove contaminated clothing. If irritation occurs, get medical advice.                                                        |
| Inhalation   | Remove person to fresh air and keep comfortable for breathing. If breathing is difficult, get medical attention.                                                   |
| Ingestion    | Rinse mouth. Do NOT induce vomiting unless directed by medical personnel. Get medical attention if you feel unwell.                                                |

### Section 5: Fire-Fighting Measures

Use extinguishing media appropriate to surrounding fire conditions. Firefighters should wear self-contained breathing apparatus.

### Section 6: Accidental Release Measures

Evacuate unnecessary personnel. Wear recommended PPE. Contain spillage, absorb with inert material and collect in suitable closed containers for disposal. Prevent entry to drains and watercourses.

### Section 7: Handling and Storage

Store in a cool, dry, well-ventilated area away from incompatible materials. Keep container tightly closed.

### Section 8: Exposure Controls / Personal Protection

Safety goggles, chemical-resistant gloves and protective clothing. Use adequate ventilation; use respiratory protection if exposure limits may be exceeded.

### Section 9: Physical and Chemical Properties

|                   |   |
|-------------------|---|
| Molecular Formula | — |
|-------------------|---|

|                  |              |
|------------------|--------------|
| Molecular Weight | —            |
| Appearance       | Refer to TDS |
| Density          | N/A          |
| Boiling Point    | N/A          |
| Melting Point    | N/A          |
| Flash Point      | N/A          |
| Solubility       | N/A          |

### Section 10: Stability and Reactivity

Stable under recommended storage conditions. Avoid heat and incompatible materials.

### Section 11: Toxicological Information

No data available for this grade. Handle as per Sections 7 and 8.

### Section 12: Ecological Information

No data available. Prevent release to the environment.

### Section 13: Disposal Considerations

Dispose of contents and container in accordance with local, state and national regulations through an authorised waste disposal contractor.

### Section 14: Transport Information

|                        |                                       |
|------------------------|---------------------------------------|
| UN Number              | Not regulated / not assigned          |
| Transport Hazard Class | Not regulated based on available data |

### Section 15: Regulatory Information

HSN Code (India): 2926.90. Comply with all applicable national and local regulations.

### Section 16: Other Information

Issued by Green Vision Technical Services (ChemicalPro, [www.chemicalpro.in](http://www.chemicalpro.in)). Revision date: 2026-07-25. The information herein is based on data available to us and applies to the product as supplied. It is provided in good faith without warranty; the user is responsible for verifying suitability for their use.