

**MATERIAL SAFETY DATA SHEET****KT-702 (COPPER MESH CLEANER)****1. PRODUCT AND MANUFACTURER INFORMATION**

Product Name: KT-702 Copper Mesh Cleaner
Company Name: Kootai New Materials Technology Pvt Ltd.
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2. CHEMICAL COMPOSITIONS

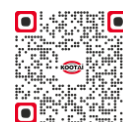
Ingredient	Molecular Formula	CAS Number	Content
Propylene Glycol Methyl Ether Acetate	C6H12O3	108-65-6	8%
Diethylene Glycol Butyl Ether Acetate	C10H20O4	124-17-4	5%
Sodium Citrate	Na3C6H5O7·2H2O	6132-04-3	2%
Diethylene Glycol Hexyl Ether	C10H22O3	112-59-4	10%
Confidential Active Agent	Mixture	Mixture	5%
Deionized Water	H2O	7732-18-5	70%

3. HAZARD IDENTIFICATION

- **Hazard Class:** Not classified as hazardous.
- **Routes of Exposure:** Contact, inhalation, or ingestion.
- **Health Hazards:** Mild irritation to eyes and skin, ingestion can cause lung damage, prolonged skin exposure may cause defatting and cracking.
- **Environmental Hazards:** None.
- **Fire and Explosion Hazards:** Non-combustible.

4. FIRST AID MEASURES

- **Inhalation:** Move the person to fresh air, keep the respiratory tract clear, provide oxygen if breathing is difficult, and seek medical attention if breathing stops.
- **Ingestion:** Rinse mouth immediately and seek medical attention.
- **Skin Contact:** Wear protective gloves to avoid contact, seek medical attention if burns occur, and remove contaminated clothing and shoes.



5. SAFE HANDLING AND STORAGE

- 5.1 **Handling Precautions:** Ensure container is sealed, handle with care, release container pressure slowly when opening, do not pressurize, cut, heat, or weld containers, avoid dropping and collisions.
- 5.2 **Incompatible Materials:** Perform compatibility testing before use.
- 5.3 **Storage Precautions:** Store in a cool, ventilated place away from incompatible substances, avoid direct sunlight.

6. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 6.1 **Mechanical Controls/Ventilation:** Use local exhaust to control gas release at the source. Perform sample tests in a fume hood. Ensure mechanical ventilation in confined spaces.
- 6.2 **Personal Protection Equipment:** Choose equipment based on product hazards, workplace conditions, and usage methods.
- a. **Respiratory Protection:** Use a half-mask filter respirator when the airborne concentration exceeds limits.
 - b. **Hand Protection:** Wear chemical-resistant gloves; suitable materials may include butyl rubber.
 - c. **Eye Protection:** Wear splash-proof safety goggles and a face shield.
 - d. **Skin/Body Protection:** Wear a chemical-resistant apron, jacket, and rubber boots.

7. PHYSICAL AND CHEMICAL PROPERTIES

- 7.1 **Flash Point (Open Cup):** None
- 7.2 **pH Value (25°C):** 7.0 ± 0.5
- 7.3 **Boiling Point/Boiling Range (°C):** 105°C - 110°C
- 7.4 **Appearance:** Colorless transparent liquid
- 7.5 **Odor:** Strong ester odor
- 7.6 **Density (g/cm³):** 0.98 ± 0.05
- 7.7 **Explosion Limits:** None
- 7.8 **Solubility:** 100%

8. STABILITY AND REACTIVITY

- 8.1 **Hazardous Polymerization:** None.
- 8.2 **Conditions to Avoid for Polymerization:** Not applicable.
- 8.3 **Stability:** Stable.
- 8.4 **Conditions to Avoid for Stability:** Not applicable.
- 8.5 **Incompatibility:** Strong acids, organic halogens, nitrogen, chlorine organic compounds, nitroaromatics, nitroalkanes, peroxides, acetaldehyde, acrolein.
- 8.6 **Hazardous Decomposition Products:** None.



9. TOXICOLOGICAL INFORMATION

- 9.1 **Acute Toxicity:** No applicable data
- 9.2 **Mutagenicity:** No applicable data
- 9.3 **Irritation:** No applicable data
- 9.4 **Teratogenicity:** No applicable data
- 9.5 **Sensitization:** No applicable data
- 9.6 **Carcinogenicity:** No applicable data
- 9.7 **Subacute and Chronic Toxicity:** No applicable data

10. ECOLOGICAL DATA

- 10.1 **Mobility:** No applicable data
- 10.2 **Ecotoxicity:** No applicable data
- 10.3 **Persistence/Degradability:** No applicable data
- 10.4 **Other Adverse Effects:** No applicable data
- 10.5 **Bioaccumulation:** No applicable data

11. TRANSPORTATION INFORMATION

- 11.1 **Hazard Classification and Number:** Non-hazardous.
- 11.2 **Packaging Mark:** No special mark.
- 11.3 **Packaging Method:** 20 & 25 kg/barrel.
- 11.4 **Safety Label:** None.
- 11.5 **Transport Precautions:** Avoid dropping and collisions.

12. OTHER INFORMATION

- 12.1 **Prepared by:** Kootai New Materials Technology Pvt Ltd
- 12.2 **Date of Preparation:** December 1, 2024
- 12.3 **Department:** Technical Department
- 12.4 **Additional Information:** This information represents Kootai New Materials Technology Pvt Ltd's current knowledge as of the indicated date and is believed to be accurate and reliable. The company does not assume any liability for the accuracy, reliability, or completeness of the information and only provides it for reference purposes.

