



## Material Safety Data Sheet (Nano Silver TiO<sub>2</sub> Solution, CMT-NSTDS01)

### 1. Product and Company Identification

- Product Name: Nano Silver TiO<sub>2</sub> Solution (CMT-NSTDS01)
- Relevant identified uses of the substance or mixture: Not determined.
- Application of the substance: The preparation coating for antimicrobial and deodorant
- Details of the supplier of the safety data

Manufacturer: CMT Life Sciences Limited

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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

- Synonyms : Titanium Oxide (TiO<sub>2</sub>) Water Dispersion
- Titanium Oxide (TiO<sub>2</sub>) CAS#: 13463-67-7
- Silver (Ag) CAS#: 7440-22-4
- Water CAS#: 7732-18-5

### 3. Hazards Identification

- Classification of the substance or mixture.
- Classification according to Regulation (EC) No 1272/2008.
- Classification according to Directive 67/548/EEC or Directive 1999/45/EC Not applicable.
- Information concerning particular hazards for human and environment: the product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- Classification system: The classification is according to the latest editions of the EU-lists and extended by company literature data.



- Labeling according to Regulation (EC) No 1272/2008: Void
- Hazard pictograms: Void
- Principal hazards: Harmless to human under ordinary use
- Specific risks: None
- Labeling: None

#### 4. Composition / Information on Ingredients

- Chemical characterization: Mixtures
- Description: Preparation of modified hybrid materials in aqueous solution for antimicrobial and deodorant coating.
- Dangerous components: Void
- Additional information: For the wording of the listed risk phrases refer to section 16.

#### 5. First Aid Measures

- General information: No special measures required.
- Emergency and First Aid Procedures:
  - After skin contact: Immediately rinse with water.
  - After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor immediately.
  - After inhalation: Supply fresh air; consult doctor in case of complaints.
  - After swallowing: Rinse out mouth and then drink plenty of water. Do not induce vomiting, call for medical help immediately.
  - A person vomiting while laying on their back should be turned onto their side. If victim is vomiting, bring head in low position (increased danger of aspiration).
- Information for doctor:
  - Most important symptoms and effects, both acute and delayed: No further relevant information available.
  - Indication of any immediate medical attention and special treatment needed: No further relevant information available.

#### 6. Fire Fighting Measures



- Suitable Extinguishing Media: Water
- Special Exposure Hazards: None
- Special Extinguishing Procedure: None
- Special Protection Equipment: No special measures required.

## 7. Accidental Release Measures

- Personal Protection: Wear water-proof disposable gloves.
- Environmental Protection: Do not allow product to reach sewage system or ground water.
- Do not allow to penetrate the ground and soil.
- Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders sawdust).

## 8. Handling and Storage

- Handling Precaution: No special measures demands.
- Information about fire and explosion protection: The product is not flammable.
- Storage precaution/conditions: store in a cool place. Suitable storage temperature is 15 ~ 25 C.
- Information about storage in one common storage facility. Only the same material class should be stored together. Storing together with the following materials is forbidden:
  - Medicaments, food and feeds including additives. Infectious, radioactive and explosive materials.

## 9. Exposure Controls and Personal Protection

- Arrangement of the workplace: Ventilate condition to control the concentration of vapor.
- Personal protection: Wear water proof gloves and wear goggles to protect eyes.

## 10. Physical and Chemical Properties

- |              |   |
|--------------|---|
| • Appearance | Transparent with light orange liquid solution |
| • Color      | Light orange                                  |
| • Odor       | Without or based on the solvent               |
| • PH Value   | 4.5 – 7                                       |





- Principal Hazards: Harmless to human under ordinary use.
- Skin irritation: No irritating.
- Specific risks: None.

### 13. Ecological Information

- Aquatic toxicity: No further relevant information available.
- Persistence and degradability: No further relevant information available.
- Bioaccumulative potential: No further relevant information available.
- Mobility in soil: No further relevant information available.

### 14. Disposal Consideration

- Product: Recyclable
- Un-cleaned package: Disposal must be made according to official regulations.
- Cleaned packing: Empty packing can be recycled.

### 15. Transportation

- Transport hazard class: Not Restricted
- Environmental hazards: No
- Marine pollutant: None
- Transport in bulk according to IBC code: Not applicable
- IATA : Not dangerous goods

### 16. Regulatory Information

- Labeling according to Regulation (EC) No 1272/2008: Void
- Hazard pictograms: Void
- Hazard statements: Void
- Other regulations, limitations and prohibitive regulations: National and local regulations concerning chemicals shall be observed.

### 17. Other Information



This information is based on present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.