

SAFETY DATA SHEET

1. CHEMICAL PRODUCT and COMPANY IDENTIFICATION

Product: Ultra-Fresh CA-16

Chemical Family: Silver Refractories

Chemical Formula: Silver Refractories

Product Use: Antimicrobial treatment for manufactured articles

Supplier: Thomson Research Associates Inc. **Distributor:** Specialty Marketing NZ Ltd.,
49 Gervais Drive
Toronto, Ontario, Canada, M3C 1Y9
Telephone: 416-955-1881

150 Wade River Road,
Wade Heads, Whangaparaoa,
Auckland, New Zealand

24-hour Emergency Telephone: 0800 243 622

2. HAZARD IDENTIFICATION

ERMA New Zealand Approval Code: HSR002503

Emergency Action Code: 2Z

HSNO Hazard Classification: 6.1E

Primary Route of Exposure: Inhalation

Inhalation:

Overexposure to vapours may cause discomfort or irritation of the respiratory tract.

Contact With Eyes:

Moderately irritating to the eyes, may cause damage.

Contact With Skin:

May cause severe irritation of the skin.

Ingestion:

Harmful if swallowed.

The FIRE RATING for this product is: Combustible

3. INGREDIENTS

Silver-Magnesium-Aluminium-Phosphorus Complex CAS No: 65997-17-3 **Concentration (% wt/wt):** 100
LD₅₀(mg/kg): >2000 **Route:** Oral **Species:** Mouse **TWA:** 10 mg/m³ **STEL:** 15 mg/m³

4. FIRST AID

In Case of Eye Contact:

IMMEDIATELY flush eyes with copious amounts of water for at least 15 minutes while holding eyelids wide apart. Seek immediate medical attention.

In Case of Skin Contact:

Remove contaminated clothing immediately. Wash affected area with mild soap and water. Seek medical attention. Use of a corticosteroid cream has been effective in treating severe irritation. Wash contaminated clothing and equipment before reuse.

In Case of Inhalation:

Move subject to fresh air. If discomfort persists seek medical attention.

In Case of Ingestion:

If conscious have subject drink one glass of water. Never give anything to an unconscious or convulsing person. Do NOT induce vomiting. Seek immediate medical attention.

5. FIRE & EXPLOSION

This Product Is Rated As: Non-Flammable **Emergency Action Code:** 2Z
Flash Point (C): Not Applicable **Flash Point Test Method:** Not Applicable
LEL (% by Volume): Not Established **UEL (% by Volume):** Not Established
Autoignition Temperature (C): Not Established

Extinguishing Media:

Water spray or fog, sand, dry chemical, foam or carbon dioxide.

Special Fire Fighting Instructions:

Avoid breathing fumes. Contain runoff.

Unusual Hazards:

None

Hazardous Combustion Products:

None

PPE For Fire Fighting:

Wear self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE PROCEDURES

In Case of Spillage:

Immediately sweep up and remove spillage. Avoid creating airborne dust. Keep discharge from entering sewers, lakes, streams, ponds, estuaries, or public water sources. Dispose of in accordance to regulations.

This product is toxic to fish and aquatic organisms. Do not allow product to enter lakes, sewers, streams, ponds, estuaries, oceans, or other waters.

7. HANDLING and STORAGE INFORMATION

Use:

Antimicrobial treatment for manufactured articles is the registered use for this product. Please refer to the Technical Data Sheet and the product label for specific instructions on how to use this product.

Special Handling Instructions:

None.

Storage

Store in a cool dry place in original container. Avoid exposure to direct sunlight.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls:

Use mechanical local exhaust at point of vapour or mist release. Ensure that existing ventilation is sufficient to prevent creating a hazardous atmosphere.

Personal Protective Equipment (PPE)**Respiratory Protection:**

Where adequate ventilation is not available, use NIOSH-approved respirator with organic vapour filter. Where exposure potential under use conditions is greater use NIOSH-approved positive pressure air-supplied respirator.

Eye Protection:

Chemical goggles or full-face shield.

Hand Protection:

Chemical resistant rubber, neoprene or nitrile gloves

Additional Protective Equipment:

Not required

Exposure Limits:

Silver-Magnesium-Aluminium-Phosphorus Complex

TWA: 10 mg/m³ STEL: 15 mg/m³

9. PHYSICAL & CHEMICAL PROPERTIES

Physical State: Powder

Odour: None

Colour: White

Melting Point (C): 630

Vapour Pressure (mm Hg): Not Applicable

Evaporation Rate (Butyl Acetate = 1): Not Applicable

Viscosity: Not Established

Octanol/Water Coefficient: Not Applicable

Appearance: Crystalline

Odour Threshold: Not Established

pH (20 C): Not Applicable

Boiling Point (C): Not Established

Vapour Density (Air = 1): Not Applicable

VOC (ASTM D2369-93): 0

Solubility in Water: Sparingly soluble

Specific Gravity: 2.44

10. STABILITY and REACTIVITY INFORMATION

Product Stability:

Stable under normal temperatures and pressures.

Hazardous Polymerization:

Will not occur

Conditions to Avoid:

None

Product Incompatible With:

None

Hazardous Decomposition Products:

None

11. TOXICITY INFORMATION

Chronic Health Effects: None known.

Carcinogenicity: Not carcinogenic

Mutagenicity: Not mutagenic

Teratogenicity: Not teratogenic

Corrosiveness To Skin (Test Species): Not Irritating (Rabbit)

Corrosiveness to Eyes (Test Species): Irritating (Rabbit)

This Product Is: Not sensitizing

Acute Oral LD₅₀ (mg/kg): >2000 **Species:** Mouse

Acute Dermal LD₅₀ (mg/kg): Not Established **Species:** Not Applicable

Inhalation:

Overexposure to vapours may cause discomfort or irritation of the respiratory tract.

Contact With Eyes:

Moderately irritating to the eyes, may cause damage.

Contact With Skin:

May cause severe irritation of the skin

Ingestion:

Harmful if swallowed.

12. ECOLOGICAL INFORMATION

Environmental Fate:

Not established for product.

Kow Value: Not established

Biological Oxygen Demand (BOD): Not established

Half Life in Water: Not established

Half Life in Soil: Not established

Material is highly toxic to aquatic life and toxic to terrestrial life

Environmental Toxicity: Not Established

13. DISPOSAL INFORMATION

Disposal of Product:

If product cannot be used then dispose of in accordance to regulations. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Disposal of Container:

Triple rinse empty container. Then offer for recycling or reconditioning or puncture and dispose of in approved landfill.

14. TRANSPORTATION INFORMATION

Signal Word: Caution

Shipping Name: Not Applicable

UN Number: Not Applicable

UN Class: Not Applicable **Packing Group:** Not Applicable

Marine Pollutant: No

IATA Class: 6.1

IMO Class: Not Applicable **ADR Class:**

Not Applicable

Special Handling Instructions: None

For transportation emergencies in the European Union contact CareChem at 44(0) 1865 407333

15. REGULATORY INFORMATION

ERMA New Zealand Approval Code: HSR002503

16. OTHER INFORMATION

Health: 1

HMIS Rating:

Fire: 0

Reactivity: 0

Abbreviations:

ai = Active Ingredient

Replaces: Not Applicable