SECTION I - PRODUCTION INFORMATION: SINGLE SUBSTANCE ☑  MIXTURE ☐
Chemical Name & CAS No.  CUPROUS CHLORIDE POWDER  CAS # [7758-89-6]
Trade Name & Synonyms  Cu-Lyst, Nankotite
Chemical Family  Insoluble Copper Salt  Chemical Formula  CuCl

SECTION II - HAZARDOUS INGREDIENTS AND/OR CHARACTERISTICS

NA

SECTION III - PHYSICAL DATA
Melting Point (°F)  430°C  Specific Gravity (H2O=1)  3.53
Boiling Point (°F)  1366°C  Percent Volatile by Volume (%)  0
Bulk Density (LBS/Per Cu/FL)  85  pH  NA
Solubility in Water  Insoluble
Appearance and Odor  Gray powder with no odor. Turns green on exposure to moist air.

SECTION IV - REACTIVITY DATA
Stability  Unstable  Conditions to Avoid

            Stable  X  Avoid contact with acid and heat.
Incompatibility (Materials to Avoid)  Heat, acids, acid fumes
Hazardous Decomposition Products  When heated to decomposition it emits toxic fumes of Cl⁻.
Hazardous Polymerization  May Occur  Conditions to Avoid
Will Not Occur  X

SECTION V - FIRE AND EXPLOSION HAZARD DATA
Flash Point (Method Used)  NA  Flammable Limits  NA  LeL  UeL
Extinguishing Media  The usual for surrounding fire.
Special Fire Fighting Procedures  NA

Unusual Fire and Explosion Hazards  NA

DOT EMERGENCY RESPONSE GUIDE NO.  NDA
SECTION VI - HEALTH HAZARD DATA
Exposure Limits
TLV: NDA TWA: NDA Ceiling: NDA

Effects of Overexposure
Acute: Skin discoloring and irritation

Chronic: NDA

Emergency First Aid Procedures

Eye  Flush with flowing water (under lids) for 15 minutes. If symptoms occur, see physician.

Skin  Wash with soap and water and see physician if irritation occurs.

Inhalation  Remove to fresh air. Aid in breathing if necessary and call physician.

Ingestion  Drink a quantity of water and induce vomiting. Call physician.

OTHER HEALTH INFORMATION:
LISTED: ☐ Carcinogen ☐ Teratogen ☐ Mutagen ☒ Other NDA

SECTION VII - SPECIAL PROTECTION INFORMATION — PRODUCTION AND/OR MAINTENANCE OPERATIONS
Respiratory Protection (Specify Type)  Respirator approved by Bureau of Mines for toxic dusts.

Ventilation
Local Exhaust  Recommended

Mechanical (General)  Special

Other Protective Equipment
Protective Gloves  Rubber

Eye Protection  Chemical goggles and face shield

Rubber or plastic clothing; avoid skin contact.

SECTION VIII - SPILL OR LEAK PROCEDURES
Steps to be Taken in Case Material Is Released or Spilled
Avoid acid contact and heat. Sweep or vacuum into disposable container. Avoid contact and do not breath dust.

Waste Disposal Method
Send to approved chemical disposal site according to local, state and federal regulations.

SECTION IX - SPECIAL PRECAUTIONS
Precautions to be taken in Handling and Storing
Do not store close to acids and heat. Keep containers tightly closed in a clean area.

Other Precautions

SECTION X - TRANSPORTATION DATA:
Proper Shipping Name  CUPROUS CHLORIDE

Risk Group (RQ)  NA

Hazard Class  NA

ID # (49CFR 172-101)  NA

Label Requirement  NONE (not regulated by DOT)

Special Information

NA = NOT APPLICABLE  NDA = NO DATA AVAILABLE  ( = LESS THAN  ) = MORE THAN

The information herein is believed to be reliable. However, no warranty, express or implied, is made as to its accuracy or completeness, and none is made as to the fitness of this material for any purpose. The manufacturer shall not be liable for damages to person, or property resulting from its use. Nothing herein shall be construed as a recommendation for use in violation of any patent.