

# MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-100/10031-43-3.htm> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

10031-43-3

**Code:**

M

**RTECS:**

GL7875000

**Code:**

M

**Name:**

CUPRIC NITRATE TRIHYDRATE, COPPER(II) NITRATE TRI

**Other REC Limits:**

N/K

**OSHA PEL:**

N/K

**Code:**

M

**OSHA STEL:**

Code:

**ACGIH TLV:**

1 MG/CU M (COPPER)

**Code:**

M

**ACGIH STEL:**

N/P

**Code:**

## Control Measures

**Respiratory Protection:**

IF >TLV, WEAR A MSHA/NIOSH APPROVED FULL FACE RESPIRATOR. FOR EXAMPLE: WILSON 1200 W/EITHER BLACK R21 ORGANIC VAPOR CARTRIDGE OR YELLOW R5 ORGANIC VAPOR/ACID GAS CARTRIDGE.

**Ventilation:**

PROVIDE MECHANICAL/LOCAL EXHAUST VENTILATION TO KEEP

**Protective Gloves:**

RUBBER

**Eye Protection:**

GOGGLES OR FACE SHIELD

**Other Protective Equipment:**

Equipment IMPERVIOUS CLOTHING, APRON, BOOTS, EYE WASH FOUNTAIN, &SAFETY SHOWER

**Work Hygienic Practices:**

WASH THOROUGHLY AFTER HANDLING.

**Supplemental Safety and Health:**

NOTE TO PHYSICIAN: MUCOSAL DAMAGE MAY CONTRAINDIATE THE USE OF GASTRIC LAVAGE. MEASURES AGAINST CIRULATORY SHOCK, RESPIRATORY DEPRESSION, & CONVULSION MAY BE NEEDED.

## Health Hazards Data

**LD50/LC50 Mixture:**

ORAL LD50 (RAT): 3.81 G/KG

**Route Of Entry Inds - Inhalation:**

YES

**Skin:**

YES

**Ingestion:**

YES

**Carcinogenicity Inds - NTP:**

NO

**IARC:**

NO

**OSHA:**

NO

**Health Hazards Acute And Chronic:**

INHALATION/INGESTION: HARMFUL & FATAL. EYES: CORROSIVE & IRREVERSIBLE DAMAGE. SKIN: CORROSIVE, BURNS, ALLERGIC DERMATITIS, & HARMFUL/FATAL.

**Explanation Of Carcinogenicity:**

NONE

**Signs And Symptoms Of Overexposure:**

INHALATION/INGESTION: HARMFUL/FATAL. SKIN: CORROSIVE, BURNS, HARMFUL, FATAL, & ALLERGIC DERMATITIS. EYES: CORROSIVE & IRREVERSIBLE DAMAGE.

**Medical Cond Aggravated By Exposure:**

N/K 2

**First Aid:**

EYES: FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MINS. SKIN: WASH W PLENTY OF WATER. INHALATION: REMOVE TO FRESH AIR. GIVE CPR/OXYGEN IF NEEDED. INGESTION: DRINK 1 OR 2 GLASSES OF WATER. DON'T INDUCE VOMITING. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

**Spill Release Procedures:**

WEAR PROTECTIVE CLOTHING. KEEP SPILLS OUT OF MUNICIPAL SEWERS & OPEN BODIES OF WATER. DIKE & ABSORB SPILL W/INSERT MATERIAL (DRY EARTH & SAND). SHOVEL ALL CONTAMINATED SOLIDS, DIKING MATERIAL, ABSORBENT & SOIL INTO CORROSION PROOF DRUMS.

**Neutralizing Agent:**

N/K

**Waste Disposal Methods:**

RCRA NO. D002. LANDFILL CONTAMINATED SOLIDS IN SEALED DRUMS IN ACCORDANCE W/LOCAL, STATE, & FEDERAL REGULATIONS. CORROSIVE SOLID. RECONDITION OR DISPOSE OF EMPTY CONTAINERS IN ACCORDANCE W/GOVERNMENT REGULATIONS.

**Handling And Storage Precautions:**

DON'T GET IN EYES, SKIN, & CLOTHING. WEAR PROTECTIVE EQUIPMENT. AVOID BREATHING VAPOR OR MIST. AVOID CONTAMINATION OF FOOD. DON'T TAKE INTERNALLY.

**Other Precautions:**

WASH THOROUGHLY AFTER HANDLING. KEEP AWAY FROM HEAT & OXIDIZERS. KEEP CONTAINER SECURELY CLOSED WHEN NOT IN USE. USE W/ADEQUATE VENTILATION.

## Fire and Explosion Hazard Information

**Flash Point Method:**

N/P

**Flash Point:****Flash Point Text:**

N/R

**Autoignition Temp:****Autoignition Temp Text:**

N/A

**Lower Limits:**

N/K

**Upper Limits:**

N/K

**Extinguishing Media:**

NON-COMBUSTIBLE

**Fire Fighting Procedures:**

WEAR MSHA/NIOSH APPROVED, PRESSURE DEMAND SELF-CONTAINED RESPIRATOR & FULL PROTECTIVE GEAR. USE WATER SPRAY TO COOL FIRE EXPOSED CONTAINERS.

**Unusual Fire/Explosion Hazard:**

AVOID EXPOSURE TO FUMES & VAPORS FROM A FIRE, CAN POSSIBLY INCLUDE SULFUR DIOXIDE, HYDROGEN CHLORIDE, & OXIDES OF NITROGEN.

## Physical/Chemical Properties

**HCC:****NRC/State Lic No:****Net Prop WT For Ammo:****Boiling Point:****B.P. Text:**

212F

**Melt/Freeze Pt:****M.P./F.P. Text:**

N/K

**Decomp Temp:****Decomp Text:**

N/K

**Vapor Pres:****Vapor Density:**

17

**Volatile Org Content %:**

0.62

**Spec Gravity:**

1.03

**VOC Pounds/Gallon:**

1.03

**PH:**

3-5.0

**VOC Grams/Liter:****Viscosity:**

N/P

**Evaporation Rate & Reference:**

(BUAC = 1):

**Solubility in Water:**

COMPLETE

**Appearance and Odor:**

PALE YELLOW-GREEN LIQUID W/MILD AROMATIC ODOR

**Percent Volatiles by Volume:**

96%

**Corrosion Rate:**

N/K

**Conditions To Avoid Polymerization:****Other Information:**

N/K

## Toxicological Information

**Information:**

N/P

## MSDS/Transport Information

**Regulatory Information:**

N/P

**Federal Regulatory Information:**

N/P

**State Regulatory Information:**

N/P

## Other Information

**Other Information:**

N/P



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