

1. PRODUCT AND COMPANY IDENTIFICATION

Name: Montana X-treme Copper Cream

Trade Names and Synonyms: Non-abrasive Copper Remover, Bore Cleaner

Distributed By: WESTERN POWDERS, INC.
 P.O. Box 158
 Miles City, Montana 59301
 Telephone: (406)234-0422
 Toll Free: (800)497-1007

Manufactured By: Refer to Supplier
TRANSPORTATION EMERGENCIES – CHEMTREC – 1-800-424-9300

Product Description/Uses - Consumer Product. Proprietary, water-based liquid mixture containing solvents, specialized cleaning agents and ammonium hydroxide; designed for removal of copper deposits from gun bores. Packaged only in 4oz bottles, this specialized gun cleaning product is intended solely for use by adult persons experienced in the cleaning and maintenance of firearms.

2. HAZARD IDENTIFICATION

EMERGENCY OVERVIEW
Appearance: Pale-green, opaque, creamy liquid
Eye and skin Irritant Toxic on ingestion

OSHA REGULATORY STATUS - This product may be considered to be a hazardous chemical under OSHA Hazard Communication Standard 29 CFR 1910.1200.

Applicable OSHA Classifications: Toxic, Skin and Eye Irritant
 Crystalline Silicon Dioxide component of this material as a respirable dust is a Group I carcinogen on the IARC Carcinogen List, and is listed in NTP 11th Report as a Known Carcinogen.

POTENTIAL HEALTH EFFECTS –

Eyes – Eye irritant, particularly from ammonia vapors.

Skin - This product is a skin irritant.

Inhalation - Ammonia content of this product can cause nose and throat irritation. Silicon dioxide powder content of this product must be kept wet as in this formulation to prevent formation of dusts. Crystalline silicon dioxide as an inhalable dust is a known carcinogen

Ingestion –Risk of toxicity from oxalic acid, ammonia and isopropyl alcohol content. Can cause irritation, nausea, or stomach distress.

Routes of Entry - Eye contact, skin contact, ingestion, inhalation.

POTENTIAL ENVIRONMENTAL EFFECTS - Components of this product may be toxic to aquatic organisms

3. COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS #	wt. %
Ammonium hydroxide	1336-21-6	~3
Oxalic acid	144-62-7	~3
Isopropyl alcohol	67-63-0	~3
Silicon dioxide	14808-60-7	~25

4. FIRST AID MEASURES

EYES: Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If eye irritation develops, call a physician.

SKIN : Wash with soap and water, then rinse with vinegar. If irritation persists, seek medical attention.

INGESTION: Rinse mouth and throat with water. Drink 1-2 glasses of water or citrus juice. Get medical attention immediately.

INHALATION: Remove to fresh air. If person is having difficulty breathing, give oxygen and call a physician immediately.

5. FIRE FIGHTING MEASURES

FLASH POINT: >200° F (TCC)

FLAMMABLE LIMITS: N/A

AUTOIGNITION TEMPERATURE: N/A

EXTINGUISHING MEDIA: Foam, dry chemical, water fog, and carbon dioxide.

PERSONAL PROTECTION FOR FIREFIGHTING: For larger fires, wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA). For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment. This may include self-contained breathing apparatus to protect against the hazardous effects. For small, localized fires, respiratory protection (SCBA) is required as a minimum.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None

SPECIAL FIRE FIGHTING PROCEDURES: Avoid wide dispersion of product in fire suppression activities, keep fire residues damp, and avoid creation of dusts from dried residues.

HAZARDOUS PRODUCTS OF COMBUSTION. Combustion products vary depending on fire conditions and other combustibles present in the fire. The predominant products will be carbon dioxide, and nitrogen oxides. Possibly respirable silicon dioxide dust may be entrained in smoke and vapors, and contact with these fumes should be avoided.

6. ACCIDENTAL RELEASE MEASURES

SPILL PROCEDURES:

Keep spilled material wet to avoid creation of dust. Scoop up the damp product and place in container for disposal. Immediately wash the contaminated area with soap and water.

CARE MUST BE TAKEN TO PREVENT ENVIRONMENTAL CONTAMINATION FROM THE USE OF THIS MATERIAL. THE USER HAS THE RESPONSIBILITY TO DISPOSE OF UNUSED MATERIAL, RESIDUES AND CONTAINERS IN COMPLIANCE WITH ALL RELEVANT LOCAL, STATE AND FEDERAL LAWS AND REGULATIONS REGARDING TREATMENT, STORAGE AND DISPOSAL FOR HAZARDOUS AND NONHAZARDOUS WASTES.

7. HANDLING AND STORAGE

HANDLING AND STORAGE PRECAUTIONS:

- Store in a cool , dry place
- **KEEP OUT OF REACH OF CHILDREN AT ALL TIMES**

ENGINEERING CONTROLS:

Adequate ventilation should be provided in work areas and in storage spaces to keep component vapor concentrations below acceptable exposure limits.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

ESTABLISHED EXPOSURE LIMITS

COMPONENT	OSHA (PEL)	ACGIH (TLV)	NIOSH IDHL
Ammonium hydroxide	50 ppm	25 ppm TWA	300 ppm (ammonia)
Oxalic acid	1 mg/m ³	1 mg/m ³ TWA	500 mg/m ³
Isopropyl alcohol	400 ppm	400 ppm	2000ppm (LEL)
Silicon dioxide	10 mg/m ³ /% silica +2	0.05 mg/m ³	50 mg/m ³ (quartz)

PERSONAL PROTECTIVE EQUIPMENT

- Safety glasses or goggles with side shields.
- Impervious gloves.
- Appropriate respiratory protection required when exposure to airborne contaminant is likely to exceed acceptable limits. Respirators should be selected and used in accordance with OSHA Subpart I (29 CFR 1910.134) and manufacturer’s recommendations.

ENGINEERING CONTROLS

Adequate ventilation should be provided in work areas and in storage spaces to keep component vapor concentrations below acceptable exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Pale-green, opaque, creamy liquid
Odor	Ammonia odor
Odor threshold	Not available
Physical state	Thick liquid
pH 25 Deg. C	9.5 - 10
Boiling Point	>190° F
Freezing Point	Not available
Initial Boiling Point	Not available
Boiling Range	Not available
Flash Point	>200°F TCC
Evaporation Rate	Moderate
Flammability/Explosive Limits	Not available
Vapor Pressure	Ammonia content - 755mm Hg @80-85°F
Vapor Density	Not available
Density –g/cc - @ 65° F	1.14
Solubility in water	Partial
Partition coefficient Oil/Water Distribution	Not available
Autoignition/Decomposition Temp.	Not available
Volatile - % by volume	~70%

10. STABILITY AND REACTIVITY

Stability: Stable.

Incompatibility (Materials to Avoid): Strong oxidizers, mineral acids or chlorine bleach.

Hazardous Decomposition or By-products: May include and are not limited to ammonia and oxides of carbon.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Elevated temperatures

11. TOXICOLOGICAL INFORMATION

ROUTES OF ABSORPTION: Inhalation Skin Ingestion Eye Contact

TOXICITY DATA:

Component	LD ₅₀ – Acute Oral	LD ₅₀ – Acute Dermal	LC ₅₀ – Acute Inhalation
Ammonium hydroxide	350 mg/kg - (Rat)	Eye, rabbit – standard Draize 250µg, severe	2,000ppm – 4hr
Oxalic acid	375 mg/kg – (Rat)	500 mg/24H – mild (Rabbit)	
Isopropyl alcohol	5,800 mg/kg – (Rat)	16.4 ml/kg – (Rabbit)	12,000ppm –(Rat, 8 hr)
Silicon dioxide			0.3 mg/m3 LCLO Human

Carcinogenicity – Crystalline Silicon Dioxide component of this material is a Group I carcinogen on the IARC Carcinogen List, and is listed in NTP 11th Report as a Known Carcinogen.

12. ECOLOGICAL INFORMATION

AQUATIC TOXICITY - Components of this product which may be toxic to aquatic organisms:

Oxalic acid, ammonium hydroxide, isopropyl alcohol

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Dispose of in accordance with all applicable local, state, and federal regulations.

14. TRANSPORT INFORMATION

DOT Regulations (Ground): Not regulated

IATA Regulations (Air): Not regulated

Proper Shipping Name: N/A

Hazard Class Number and Description: N/A

UN/NA Number: N/A

Packaging Group: N/A

Consumer Commodity

15. REGULATORY INFORMATION

All ingredients in this product are listed or are excluded from listing on the US Toxic Substances Act (TSCA) Chemical Substance Inventory.

This product does not contain an amount of any chemical required to be reported under SARA 313.

This product contains chemical(s) known to the State of California to cause cancer, birth defects or other reproductive harm.

16. OTHER INFORMATION

Revised: 4/18/2008 by Western Powders, Inc. References: Component and mixture MSDS documents dated 8/24/2006, 11/12/2003, 3/6/2004, 11/4/2002, 1/24/2008.and from NIOSH International Safety Cards.

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