

# SAFETY DATA SHEET

This SDS complies with REACH 1907/2006 and 2001/58/EC, GHS REVISION 5, OSHA 29CFR 1910.1200

## Section 1: Chemical Product and Company Identification

PRODUCT NAME: **M-Pro 7 Copper Remover**  
FORMULA: Preparation/Mixture  
PRODUCT USE: Firearm cleaning and copper fouling removal

MANUFACTURER'S NAME: Pantheon Enterprises, Inc.  
ADDRESS: 225 West Deer Valley Road  
Phoenix, AZ 85027 USA  
safety@pantheonchemical.com

Safety Data Sheet Competent Person:

DISTRIBUTOR'S NAME: Bushnell Outdoor Products  
ADDRESS: 9200 Cody  
Overland Park, KS 66214  
TELEPHONE NUMBER: 913-752-3400  
FAX NUMBER: 913-752-6112

EMERGENCY TELEPHONE NUMBER: Chemtrec 24 hrs: 1-800-424-9300  
Information: 623-780-2296  
Fax: 623-516-0414

DATE PREPARED: March 11, 2015  
DATE REVIEWED: March 18, 2016

## Section 2: Hazards Identification

**GHS Hazard Class:** Acute toxicity, Oral (Category 5), H303  
Skin irritation (Category 2), H315  
Serious eye damage (Category 1), H318

### GHS Label elements, including precautionary statements:

Pictogram:



Signal word: Danger

Hazard statement(s):  
H303 May be harmful if swallowed.  
H315 Causes skin irritation.  
H318 Cause serious eye damage.

Precautionary statement(s):  
P102 Keep out of reach of children  
P103 Read label before use  
P264 Wash skin thoroughly after handling.  
P280 Wear eye protective.  
P302+P352 IF ON SKIN: Wash with plenty of soap and water.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a doctor.  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.

Hazard(s) Not Otherwise Classified (HNOC): Not classified

HAZARD CLASSIFICATION: Not classified as hazardous based on IATA, IMDG, and DOT.  
FIRE AND EXPLOSION: Not considered flammable or combustible.  
POTENTIAL HEALTH EFFECTS: <10 % of mixture consists of ingredients of unknown acute toxicity.

OTHER: None  
CHRONIC EFFECTS OF OVEREXPOSURE: None  
APPEARANCE: Yellow amber to dark amber

NFPA RATINGS:

COMPONENT	Health (Blue)	Flammability (Red)	Reactivity (Yellow)	Special (White)
M-Pro 7 Copper Remover	1	0	0	NONE

### Section 3: Composition / Information on Ingredients

PRODUCT COMPOSITION	APPROX %	CAS NO.	CANADA DSL
Water	>60.0	7732-18-5	Y
TS1	<18	---	Y
TS2	<13	---	Y
TS3	<0.004	---	Y

Some items on this SDS may be designated as trade secrets (TS). Bona fide requests for disclosure of trade secret information to medical personnel must be made in accordance with the provisions contained in 29 CFR 1910.1200 I 1-13.

### Section 4: First Aid Measures

#### Description of First Aid Measures

**INHALATION:** Product does not fume. If overexposed to spray, remove to fresh air. Seek medical attention.  
**SKIN CONTACT:** Rinse contacted area with water. Remove all exposed clothing and wash before reuse. If skin irritation or rash occurs: Seek medical attention.  
**EYE CONTACT:** Immediately flush with water for several minutes. If eye irritation persists: Seek medical attention.  
**INGESTION:** Rinse out mouth with water. Do not induce vomiting. Seek medical attention.

#### Most important symptoms and effects, both acute and delayed

Symptoms/Injuries After Inhalation: No adverse effects are anticipated from inhalation.  
Symptoms/Injuries After Skin Contact: May cause mild skin irritation. Wash thoroughly with soap and rinse with water.  
Symptoms/Injuries After Eye Contact: Irritation may result from contact with the eye. Rinse immediately with water and seek medical advice.  
Symptoms/Injuries After Ingestion: May be harmful if swallowed. Drink large amount of water. Do NOT induce vomiting. Seek medical advice.

#### Indication of any immediate medical attention and special treatment needed

In case of accident or if you feel unwell, seek medical advice immediately.

### Section 5: Fire-fighting Measures

**Suitable extinguishing media** Product does not burn. Use extinguishing agent suitable for the type of surrounding fire.  
**Special hazards arising from the substance or mixture** No data available.

**Protective actions fire-fighters**

Wear standard protective equipment and self-contained breathing apparatus for firefighting if necessary.

**Further information**

None.

**Section 6: Accidental Release Measures****Personal precautions, protective equipment, and emergency procedures**

Wear proper personal protective equipment. Avoid breathing vapors, mist or gas.

**Environmental precautions**

Prevent further leakage or spillage if safe to do so. Prevent spills or contaminated rinse water from entering sewers or watercourses.

**Methods and materials for containment and cleaning up**

In case of small spills, absorb with inert materials such as earth or dry sand. Place in a chemical waste container.

In case of large spills, dike the spill, if possible. Call emergency services. Absorb the chemical.

Warn other workers of spill.

**Reference to other Sections**

For personal protection reference section 8. For disposal reference section 13.

**Section 7: Handling and Storage****Precautions for safe handling**

Keep containers closed

Do not store in temperatures below 32°F.

Wear proper protective equipment and avoid contact with skin, eyes, or clothing.

Wash hands after handling this product. Keep out of reach of children.

**Conditions for safe storage, including any incompatibilities**

Follow all applicable local regulations for handling and storage.

Utilize chemical segregation from acids.

**Specific uses**

This product is used for firearm cleaning and copper fouling removal.

**Section 8: Exposure Controls/Personal Protection****Control Parameters**

PRODUCT COMPOSITION	ACGIH TLV	OSHA PEL	NIOSH REL	U.S. WEEL TWA	EU IOELV TWA (mg/m <sup>3</sup> )	United Kingdom WEL	Canada OEL	Mexico OEL
TS3	2.00mg/m3	-----	2.00mg/m3	-----	-----	-----	-----	-----

**Exposure controls**

VENTILATION:

No special precautions.

RESPIRATORY PROTECTION:

No special precautions.

PROTECTIVE GLOVES:

Wear rubber gloves

EYE PROTECTION:

Recommend eye protection using safety glasses or goggles.

SKIN PROTECTION:

Suitable protective clothing to prevent skin contact

WORK/HYGIENE PRACTICES:

Avoid contact with skin and eyes. Wash hands and face after handling.

PROTECTIVE CLOTHING:

Wear suitable protective clothing to prevent skin contact.

OTHER EQUIPMENT:

Make safety shower, eyewash stations, and hand washing equipment available in the work area.

## Section 9: Physical and Chemical Properties

APPEARANCE – COLOR:	Clear Amber
PHYSICAL STATE:	Liquid
ODOR:	None
ODOR THRESHOLD:	Data Not Applicable
pH:	10.0
MELTING POINT/FREEZING POINT:	28 °F (-2 °C) Freezing point
INITIAL BOILING POINT AND BOILING RANGE:	219 °F (104 °C)
FLASH POINT:	Not Applicable for product
EVAPORATION RATE:	<1 (Butyl Acetate =1)
FLAMMABILITY (Solid, gas):	Not Applicable for product
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS:	Not Applicable for product
VAPOR PRESSURE:	16.4 mmHg @ 20 °C (calculated)
VAPOR DENSITY (AIR = 1):	Not Applicable for product
RELATIVE DENSITY (@25 °C):	1.08-1.1
SOLUBILITY (IES):	100% in water
OXIDIZING PROPERTIES:	Data Not Applicable
PARTITION COEFFICIENT: n-octanol/water:	Data Not Applicable
AUTO IGNITION TEMPERATURE:	Data Not Applicable
DECOMPOSITION TEMPERATURE:	Data Not Applicable
VISCOSITY:	Data Not Applicable
CORROSIVE:	No

## Section 10: Stability and Reactivity

STABILITY:	Stable.
CONDITIONS TO AVOID:	None known
INCOMPATIBILITY (MATERIALS TO AVOID):	Strong acid solutions. This product will have an exothermic reaction with strong acid solutions.
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon
HAZARDOUS POLYMERIZATION:	Will not occur

## Section 11: Toxicological Information

There is no toxicological information available for the product or mixture.

GHS Required Criteria	Toxicity Criteria	Data	Comments	Chemical Constituent	
Acute Toxicity	ATE	>3,500mg/kg		Product	
	LD50 Oral Rat	891 mg/kg		TS1	
	LD50 Oral Rat	3,000mg/kg		TS2	
	LD50 Oral Rat	333mg/kg		TS3	
	LD50 Oral Mouse	480 mg/kg		TS1	
	LD50 Dermal Rat	>2000 mg/kg		TS1	
	LD50 Dermal Rabbit	>10,000mg/kg		TS1	
	LC50 Inhalation Rat	>900 mg/m3/1hr		TS1	
	Skin Corrosion/Irritation	Skin Rabbit	Mild skin irritation – 24hr		TS1
		Skin Rabbit	Severe skin irritation – 24hr	Pure substance	TS3
Skin corrosion		Cat. 1B	Pure substance	TS2	
Skin corrosion		Cat. 1A	Pure substance	TS3	
Serious Eye Damage / Eye Irritation		Cat.1 serious eye damage	Pure substance	TS1	
		Cat.1 serious eye damage	Pure substance	TS2	
	OECD Test Guideline 405	Corrosive to eyes	Pure substance	TS3	
		Cat.1 serious eye damage	Pure substance	TS3	
Respiratory or Skin Sensitization Germ Cell Mutagenicity Carcinogenicity		No information is available			
		No information is available	OSHA		
		No information is available	IARC		
		No information is available	NTP		
Reproductive Toxicity STOST -- Single Exposure		No information is available			
		No information is available			

STOST – Repeated Exposure  
Aspiration Hazard  
Ames test

No information is available  
No information is available  
No information is available

ATE = Acute Toxicity Estimate  
STOST = Specific Target Organ Systemic Toxicity

OTHER INFORMATION: Only selected Registry of Toxic Effects of Chemical Substances (RTECS) data is presented here. See actual entry in RTECS for complete information.

## Section 12: Ecological Information

	Environmental Impacts	Chemical Constituents
Toxicity	LC50 (Leuciscus idus): 90mg/l EC50 (Daphia magna): 105mg/l/24hr LC50 (Mosquito fish): 80mg/L/96hr LC50 (Fathead Minnow): 179mg/L/96hr EC50 (Daphnia magna): 60mg/L/48hr ErC50 (Selenastrum capricornutum): 61mg/L/96hr	TS1 TS1 TS3 TS3 TS3 TS3
Bioaccumulative potential	No information is available.	
Persistence and degradability:	Biodegradable	Product
Mobility in soil:	No information is available.	
PBT and vPvB assessment:	No information is available.	
Other adverse effects:	No information is available.	

Note: Not all of the ingredients have been tested for ecotoxicity.

## Section 13: Disposal Considerations

### Waste from residues/unused products

Completely rinse container prior to disposal. Dispose of in accordance with Federal, state, and local regulations. Large quantities of waste may require adjustment to a neutral pH. None of the chemicals used in the product are listed as a Priority Pollutant in Appendix A to 40 CFR, Part 423—126 Priority Pollutants.

### Contaminated packaging

Contaminated packaging material should be disposed of as stated above for residues and unused product.

## Section 14: Transport Information

**DOT TRANSPORT:** Not Regulated

**ADR = International Carriage of Dangerous Goods by Road** Not Regulated

**RAIL TRANSPORT:** Not Regulated

**SEA TRANSPORT:** IMDG Not Regulated

**AIR TRANSPORT:** IATA/ICAO Not Regulated

## Section 15: Regulatory Information

### TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS:

This product is in compliance with rules, regulations, and/or orders of TSCA.

### SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III SECTION 313 SUPPLIER NOTIFICATION:

This regulation requires submission of annual reports of toxic chemical(s) that appear in section 313 of the Emergency Planning and Community Right To Know Act of 1986 and 40 CFR 372. This information must be included in all SDS's that are copied and distributed for the material.

The Section 313 toxic chemicals contained in this product are: None

