



## Safety Data Sheet

### SECTION 1: Product and Company Identification

**Product Name;** Bullets, Cores, Reloading Components/Lead-Free

**Manufacturer:** Nosler, Inc.

**Address:** 107 S.W. Columbia Street  
Bend, OR 97702

**Business Phone:** 800/285-3701 or 541/382-3921

**Date Prepared:** 12/1/15

**Date Revised:** 3/2/18

**Emergency Telephone Number:** ChemTel Number Within United States, Canada, Puerto Rico, and U.S. Virgin Islands Toll free 800/255-3924 Contract #MIS6412505  
Outside U.S.. Canada, Puerto Rico, and U.S. Virgin Islands 1/813/248-0585

### SECTION 2: Hazard Identification

**US DOT Symbols**

Not Regulated

**GHS Hazard Symbols**

None

**Hazard Statements**

None

**Routes of Entry:**

When process or handling.

**Inhalation**

Dust, vapor, and/or fume may be irritating to the respiratory system and can result in both acute and chronic overexposure.

**Skin**

Dust, vapor and/or fume are not readily absorbed through the skin.

**Ingestion**

Dust, vapor and/or fume may be absorbed by the digestive system and can result in acute and chronic overexposure.

**Health Hazards ( Acute and Chronic ):**

Acute Overexposure: If left untreated: headache, chills, nausea, weakness, vomiting, loss of appetite, uncoordinated body movements, convulsions, stupor, and coma. If the metal fume is inhaled, mild irritation may result to the throat, upper respiratory tract, and lungs. The metal fume may also produce influenza – like symptoms, known as metal fume fever. Symptoms of this reaction may include metallic taste, runny nose, nausea, fever and chills. These effects disappear within 24 hours.

Chronic Overexposure: If left untreated: weakness, insomnia, hypertension, slight irritation to skin and eyes, metallic

taste in mouth, anemia, constipation, headache, muscle, and joint pains, metal fume fever, ulceration of the nasal septum, neuromuscular dysfunction, paralysis, and encephalopathy. Inhalation of large amounts of the dust and/or fume of this product may cause lung inflammation, which may progress to bronchitis and permanent lung damage.

**Carcinogenicity:**

Copper, Acetal Polymer Resin, and Zinc are not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP, or EPA.

**Medical Conditions Generally Aggravated by Exposure:**

Asthma and emphysema may be aggravated by exposure to the dust or fume.

**SECTION 3: Composition/Information on Ingredients**

<u>Hazardous Components/Common Names</u>	<u>OSHA PEL</u>	<u>% by Weight</u>
Copper (CAS #7440-50-8)	Dust: 1 mg/m <sup>3</sup> Fume: 0.1 mg/m <sup>3</sup>	94 to 95
Zinc (CAS #7440-66-6)	N/A	4 to 5
Acetal Polymer Resin (CAS #25231-38-3)	Total Dust: 15 mg/m <sup>3</sup> Respirable Dust: 5 mg/m <sup>3</sup>	0 to 1

**SECTION 4: First-Aid Measures**

**Emergency and First Aid Procedures:**

- Eyes: Flush with large amounts of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get immediate medical attention.
- Skin: Wash thoroughly with soap and water. If irritation develops, call a physician. If clothing comes in contact with the product, the clothing should be laundered before re-use.
- Inhalation: Remove from exposure to fresh air. Get medical attention if experiencing effects of overexposure.
- Ingestion: Get immediate medical attention

**SECTION 5: Fire-Fighting Measures**

<u>Flash Point ( Method Used )</u>	<u>Flammable Limits</u>
Autoignition	
Copper	N/A
Zinc	N/A
Acetal Polymer Resin	322°C

**Extinguishing Media**

Dry chemical or carbon dioxide should be used on surrounding fire.

### **Special Fire Fighting Procedures**

Use full body protective clothing, full facepiece, self-contained breathing apparatus (SCBA) operated in positive-pressure mode.

### **Unusual Fire and Explosion Hazards**

When heated to decomposition or the point of melting, metals may produce fume, vapor and/or dust that may be toxic and/or respiratory irritants.

### **HMIS Hazard Classification**

Health: 1                      Flammability: 0                      Reactivity: 0                      Other: N/A

## **SECTION 6: Accidental Release Measures**

Spills will not normally require emergency response. If in the form of dust, material should be vacuumed or wet swept. Particulate matter should be stored in dry containers for later disposal. Do not use compressed air or dry sweeping as a means of cleaning.

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## **SECTION 7: Handling and Storage**

Avoid skin and eye contact. Upon contact wash off with water. Store in a dry area where accidental contact with acids is not possible.

## **SECTION 8: Exposure Controls/Personal Protection**

### **Respiratory Protection:**

Respiratory protection not normally needed. If significant dusting occurs or fumes are generated, wear a NIOSH / MSHA approved respirator.

### **Ventilation Requirements:**

Local exhaust ventilation is recommended if significant dusting occurs or fumes are generated. Otherwise, use general exhaust ventilation.

### **Protective Gloves:**

Gloves should be worn when handling the product.

### **Eye Protection:**

Safety glasses

### **Other Protective Clothing or Equipment:**

Coveralls, or other full body clothing, shall be worn during product use and properly laundered after use, with the wash water disposed of in accordance with local, state, federal, and international regulations. Personal clothing and shoes should be protected from contamination with this product.

## **SECTION 9: Physical and Chemical Properties**

### Boiling Point

Copper=2,595°C  
Zinc=907°C  
Acetal Polymer Resin=N/A

### Specific Gravity (H<sub>2</sub>O=1.0 g/cc)

Copper=8.92 g/cc  
Zinc=7.14 g/cc  
Acetal Polymer Resin= >1

### Vapor Pressure (mm Hg)

Copper=N/A  
Zinc=N/A  
Acetal Polymer Resin=NA

### Melting Point

Copper=1,083°C  
Zinc=420°C  
Acetal Polymer Resin=175°C to 183°C

### Vapor Density (Air=1)

N/A (all constituents)

### Evaporation Rate (Butyl Acetate=1)

N/A (all constituents)

### Solubility in Water

Insoluble (all constituents)

### Appearance and Odor

Red/Gold metallic color with colored plastic tip in select product lines. Odorless, except bullets with plastic tips may exhibit a slight smell of formaldehyde if melted.

### Viscosity

N/A

### Volatile Organic Compounds (VOC)

N/A

### pH

N/A

### Freezing Point

N/A

## **SECTION 10: Stability and Reactivity**

**Stability:** Stable under normal conditions.

**Incompatibility (Materials to Avoid):** Strong acids or oxidizers may liberate hydrogen gas.

**Hazardous Decomposition or Byproducts:** Copper fume, zinc oxide fume, formaldehyde fume, heavy metal fume, vapor, and/or dust.

**Hazardous Polymerization:** Will not occur.

## SECTION 11: Toxicological Information

Under normal conditions of use, no acute or chronic health effects are expected for inhalation, skin contact, eye contact, or through ingestion.

### LD-50 (oral)

Copper 1,000 mg/m<sup>3</sup>

Zinc 7,950 mg/kg

### LC-50 (inhalation)

Copper >2,000 mg/m<sup>3</sup>

Zinc 2,500 mg/m<sup>3</sup>

### IDLH

Copper 100 mg/m<sup>3</sup>

Zinc 500 mg/m<sup>3</sup>

## SECTION 12: Ecological Information

Data is lacking for ecological information in regards to toxicity, mobility in soil, PBT and vPvB assessment for copper and zinc.

Copper is toxic to aquatic species and the generally accepted level for toxicity is > 1.0 mg/l.

Zinc may be toxic to some species with as little as .13 mg/l.

Acetal Polymer Resin= N/A

## SECTION 13: Disposal Considerations

Copper, Acetal Polymer Resin, and Zinc can be recycled. Dispose of containers and product in accordance with State, Federal, local, and international regulations.

RCRA Hazard Class: Not a hazardous waste

## SECTION 14: Transport Information

Not regulated as a hazardous material under U.S. Department of Transportation or Air Transportation.

## SECTION 15: Regulatory Information

SARA 311/312 Hazard Classifications: None

SARA 313 Copper and Zinc (fume or dust)

TSCA: Components are listed on the Toxic Substances Control Act inventory

CERCLA RQ's: Copper @5,000 pounds and Zinc @ 1,000 pounds.

State Regulations under Right-To-Know:

Massachusetts: Copper & Zinc

Michigan: Copper & Zinc

New Jersey: Copper & Zinc

Pennsylvania: Copper

## **SECTION 16: Other Information**

Information contained and presented in this SDS is given in good faith. However, no warranty is expressed or implied and no responsibility is assumed for errors or omissions in its content.