Safety Data Sheet

Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

1.1 Product identifier

Product Name • **Barnes Buster, Varmin-a-tor, Match Burner**

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified use(s) • Shooting/Hunting

1.3 Details of the supplier of the safety data sheet

Manufacturer • Barnes Bullets

PO Box 620
Mona, UT 84645
United States
www.barnesbullets.com
email@barnesbullets.com

Telephone (General) • (435) 856-1000

1.4 Emergency telephone number

Manufacturer • (435) 856-1000

Section 2: Hazards Identification

EU/EEC

According to: Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]

2.1 Classification of the substance or mixture

CLP • Not classified

2.2 Label Elements

CLP

Hazard statements • No label element(s) required

2.3 Other Hazards

CLP • This material is exempt from CLP/REACH obligations as an article as specified in REACH (1907/2006) and related ECHA guidance.

United States (US)

According to: OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

OSHA HCS 2012 • Not classified

2.2 Label elements

OSHA HCS 2012

Hazard statements
- No label element(s) required

2.3 Other hazards

OSHA HCS 2012
- Under United States Regulations (29 CFR 1910.1200(c) - Hazard Communication Standard), the product(s) listed above are exempt as article(s) under stated normal conditions of use.

Canada

According to: WHMIS

2.1 Classification of the substance or mixture

WHMIS
- Not classified

2.2 Label elements

WHMIS
- No label element(s) required.

2.3 Other hazards

WHMIS
- Under Canadian regulations (Workplace Hazardous Materials Information System (WHMIS) - Hazardous Products Act (HPA), Section 11(1)), these product(s) are exempt and considered manufactured article(s) under stated normal conditions of use.

Section 3 - Composition/Information on Ingredients

3.1 Substances

- Material does not meet the criteria of a substance.

3.2 Mixtures

Composition		
Chemical Name	**Identifiers**	**%**
Lead	**CAS:**7439-92-1 **EC Number:**231-100-4	43.5% TO 79.5%
Copper	**CAS:**7440-50-8 **EC Number:**231-159-6	19.5% TO 53.5%
Antimony trisulfide	**CAS:**1345-04-6 **EINECS:**215-713-4	0% TO 4.8%
Zinc	**CAS:**7440-66-6 **EC Number:**231-175-3 **EU Index:**030-001-00-1	0% TO 1.8%

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation
- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If signs/symptoms develop, move person to fresh air. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical

attention.

Skin
- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. Wash skin with soap and water. If signs/symptoms develop, move person to fresh air.

Eye
- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If contact with material occurs flush eyes with water. If signs/symptoms continue, get medical attention.

Ingestion
- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If signs/symptoms continue, get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

- Under normal conditions of use, no health effects are expected.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician
- No specific actions or treatments recommended related to exposure to this material.

Section 5 - Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media
- In case of fire use media as appropriate for surrounding fire.

Unsuitable Extinguishing Media
- No data available

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards
- No data available

Hazardous Combustion Products
- No data available

5.3 Advice for firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions
- No special precautions expected to be necessary if material is used under ordinary conditions and as recommended.

Emergency Procedures
- No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended.

6.2 Environmental precautions

- Avoid run off to waterways and sewers.

6.3 Methods and material for containment and cleaning up

Containment/Clean-up Measures
- Carefully shovel or sweep up spilled material and place in suitable container.

6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal Considerations.

Section 7 - Handling and Storage

7.1 Precautions for safe handling

Handling
- Use good safety and industrial hygiene practices.

7.2 Conditions for safe storage, including any incompatibilities

Storage

- Store in a cool, dry place.

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

8.1 Control parameters

Exposure Limits/Guidelines				
	Result	**ACGIH**	**NIOSH**	**OSHA**
Antimony trisulfide	TWAs	0.5 mg/m3 TWA (as Sb) *as Antimony compounds*	0.5 mg/m3 TWA (as Sb) *as Antimony compounds*	0.5 mg/m3 TWA (as Sb) *as Antimony compounds*
Copper (7440-50-8)	TWAs	0.2 mg/m3 TWA (fume)	1 mg/m3 TWA (dust and mist); 0.1 mg/m3 TWA (fume)	0.1 mg/m3 TWA (fume); 1 mg/m3 TWA (dust and mist)
Lead (7439-92-1)	TWAs	0.05 mg/m3 TWA	0.050 mg/m3 TWA	50 µg/m3 TWA

8.2 Exposure controls

Engineering Measures/Controls

- Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Personal Protective Equipment

Respiratory

- In case of insufficient ventilation, wear suitable respiratory equipment.

Eye/Face

- Wear protective eyewear (goggles, face shield, or safety glasses).

Skin/Body

- No protective clothing expected to be needed.

Environmental Exposure Controls

- Follow best practice for site management and disposal of waste.

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene
NIOSH = National Institute of Occupational Safety and Health
OSHA = Occupational Safety and Health Administration
TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	Jacketed Lead Core Bullet with either an open tipped or lead tipped design.
Color	Data lacking	Odor	Data lacking
Odor Threshold	Data lacking		
General Properties			
Boiling Point	Data lacking	Melting Point/Freezing Point	Data lacking
Decomposition Temperature	Data lacking	pH	Data lacking

Specific Gravity/Relative Density	Data lacking	Water Solubility	Data lacking
Viscosity	Data lacking	Explosive Properties	Data lacking
Oxidizing Properties:	Data lacking		
Volatility			
Vapor Pressure	Data lacking	Vapor Density	Data lacking
Evaporation Rate	Data lacking		
Flammability			
Flash Point	Data lacking	UEL	Data lacking
LEL	Data lacking	Autoignition	Data lacking
Flammability (solid, gas)	Data lacking		
Environmental			
Octanol/Water Partition coefficient	Data lacking		

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- No data available

10.5 Incompatible materials

- No data available

10.6 Hazardous decomposition products

- No data available

Section 11 - Toxicological Information

11.1 Information on toxicological effects

GHS Properties	Classification
Respiratory sensitization	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
Serious eye damage/Irritation	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
Acute toxicity	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
Aspiration Hazard	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking

Carcinogenicity	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
Skin corrosion/Irritation	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
Skin sensitization	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
STOT-RE	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
STOT-SE	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
Toxicity for Reproduction	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking
Germ Cell Mutagenicity	**EU/CLP** • Data lacking **OSHA HCS 2012** • Data lacking

Potential Health Effects

Inhalation

Acute (Immediate)
- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)
- Under normal conditions of use, no health effects are expected.

Skin

Acute (Immediate)
- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)
- Under normal conditions of use, no health effects are expected.

Eye

Acute (Immediate)
- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)
- Under normal conditions of use, no health effects are expected.

Ingestion

Acute (Immediate)
- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)
- Under normal conditions of use, no health effects are expected.

Carcinogenic Effects
- This material does contain a component that may cause cancer, however due to the form of the product, exposure to the potentially carcinogenic components is not expected.

Carcinogenic Effects			
	CAS	**IARC**	**NTP**
Lead	7439-92-1	Group 2A-Probable Carcinogen	Reasonably Anticipated to be Human Carcinogen

Section 12 - Ecological Information

12.1 Toxicity

- Material data lacking.

12.2 Persistence and degradability

- Material data lacking.

12.3 Bioaccumulative potential

- Material data lacking.

12.4 Mobility in Soil

- Material data lacking.

12.5 Results of PBT and vPvB assessment

- PBT and vPvB assessment has not been conducted.

12.6 Other adverse effects

- No studies have been found.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product waste
- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste
- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	NDA	Bullets/Cores	NDA	NDA	NDA
TDG	NDA	Bullets/Cores	NDA	NDA	NDA
IMO/IMDG	NDA	Bullets/Cores	NDA	NDA	NDA
IATA/ICAO	NDA	Bullets/Cores	NDA	NDA	NDA

14.6 Special precautions for user
- None specified.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
- Data lacking.

Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications
- None

Inventory						
Component	**CAS**	**Canada DSL**	**Canada NDSL**	**EU EINECS**	**EU ELNICS**	**TSCA**
Antimony trisulfide	1345-04-6	Yes	No	Yes	No	Yes
Copper	7440-50-8	Yes	No	Yes	No	Yes
Lead	7439-92-1	Yes	No	Yes	No	Yes
Zinc	7440-66-6	Yes	No	Yes	No	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

• Antimony trisulfide	1345-04-6	Uncontrolled product according to WHMIS classification criteria

• Copper	7440-50-8	Uncontrolled product according to WHMIS classification criteria
• Lead	7439-92-1	D2A
• Zinc	7440-66-6	Not Listed

Canada - WHMIS - Ingredient Disclosure List

• Antimony trisulfide	1345-04-6	Not Listed
• Copper	7440-50-8	1 %
• Lead	7439-92-1	0.1 %
• Zinc	7440-66-6	Not Listed

Environment

Canada - CEPA - Priority Substances List

• Antimony trisulfide	1345-04-6	Not Listed
• Copper	7440-50-8	Not Listed
• Lead	7439-92-1	Not Listed
• Zinc	7440-66-6	Not Listed

United States

Labor

U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

• Antimony trisulfide	1345-04-6	Not Listed
• Copper	7440-50-8	Not Listed
• Lead	7439-92-1	Not Listed
• Zinc	7440-66-6	Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• Antimony trisulfide	1345-04-6	Not Listed
• Copper	7440-50-8	Not Listed
• Lead	7439-92-1	30 µg/m3 Action Level (See 29 CFR 1910.1025); 50 µg/m3 TWA (See 29 CFR 1910.1025)
• Zinc	7440-66-6	Not Listed

Environment

U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants

• Antimony trisulfide	1345-04-6	Not Listed
• Copper	7440-50-8	Not Listed
• Lead	7439-92-1	Not Listed
• Zinc	7440-66-6	Not Listed

U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities

• Antimony trisulfide	1345-04-6	Not Listed
• Copper	7440-50-8	5000 lb final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 µm); 2270 kg final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 µm)

• Lead	7439-92-1	10 lb final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 µm); 4.54 kg final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 µm)
• Zinc	7440-66-6	454 kg final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 µm); 1000 lb final RQ (no reporting of releases of this hazardous substance is required if the diameter of the pieces of the solid metal released is >100 µm)
U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities		
• Antimony trisulfide	1345-04-6	Not Listed
• Copper	7440-50-8	Not Listed
• Lead	7439-92-1	Not Listed
• Zinc	7440-66-6	Not Listed
U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs		
• Antimony trisulfide	1345-04-6	Not Listed
• Copper	7440-50-8	Not Listed
• Lead	7439-92-1	Not Listed
• Zinc	7440-66-6	Not Listed
U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs		
• Antimony trisulfide	1345-04-6	Not Listed
• Copper	7440-50-8	Not Listed
• Lead	7439-92-1	Not Listed
• Zinc	7440-66-6	Not Listed
U.S. - CERCLA/SARA - Section 313 - Emission Reporting		
• Antimony trisulfide	1345-04-6	Not Listed
• Copper	7440-50-8	1.0 % de minimis concentration
• Lead	7439-92-1	0.1 % Supplier notification limit; 0.1 % de minimis concentration (when contained in stainless steel, brass, or bronze)
• Zinc	7440-66-6	1.0 % de minimis concentration (dust or fume only)
U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing		
• Antimony trisulfide	1345-04-6	Not Listed
• Copper	7440-50-8	Not Listed
		100 lb RT (this lower threshold

• Lead	7439-92-1	does not apply to lead when it is contained in stainless steel, brass or bronze alloy)
• Zinc	7440-66-6	Not Listed

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

• Antimony trisulfide	1345-04-6	Not Listed
• Copper	7440-50-8	Not Listed
• Lead	7439-92-1	carcinogen, initial date 10/1/92
• Zinc	7440-66-6	Not Listed

U.S. - California - Proposition 65 - Developmental Toxicity

• Antimony trisulfide	1345-04-6	Not Listed
• Copper	7440-50-8	Not Listed
• Lead	7439-92-1	developmental toxicity, initial date 2/27/87
• Zinc	7440-66-6	Not Listed

U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

• Antimony trisulfide	1345-04-6	Not Listed
• Copper	7440-50-8	Not Listed
• Lead	7439-92-1	0.5 µg/day MADL
• Zinc	7440-66-6	Not Listed

U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)

• Antimony trisulfide	1345-04-6	Not Listed
• Copper	7440-50-8	Not Listed
• Lead	7439-92-1	15 µg/day NSRL (oral)
• Zinc	7440-66-6	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Female

• Antimony trisulfide	1345-04-6	Not Listed
• Copper	7440-50-8	Not Listed
• Lead	7439-92-1	female reproductive toxicity, initial date 2/27/87
• Zinc	7440-66-6	Not Listed

U.S. - California - Proposition 65 - Reproductive Toxicity - Male

• Antimony trisulfide	1345-04-6	Not Listed
• Copper	7440-50-8	Not Listed
• Lead	7439-92-1	male reproductive toxicity, initial date 2/27/87
• Zinc	7440-66-6	Not Listed

15.2 Chemical Safety Assessment

- Chemical Safety Assessment is not required.

15.3 Other Information

- WARNING: This product contains a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

Section 16 - Other Information

Revision Date	• 09/November/2015
Preparation Date	• 09/November/2015
Disclaimer/Statement of Liability	• The information herein is given in good faith but no warranty, expressed or implied, is made.

Key to abbreviations

NDA = No Data Available