



Safety Data Sheet Projectiles

SECTION 1: Identification

1.1 Product identifier

Product name Projectiles

1.2 Other means of identification

FMJ, Full Metal Jackets.

1.3 Recommended use of the chemical and restrictions on use

To be used as Projectiles.

1.4 Supplier's details

Name First Breach Inc.
Address 18450 Showalter RD
Hagerstown, MD 21742
USA

Website www.firstbreach.com

1.5 Emergency phone number(s)

Chemtrec
1-800-424-9300 (USA/Canada)
1-703-527-3887 (International)

SECTION 2: Hazard identification

General hazard statement

The product is not hazardous as delivered. However, small amounts of hazardous dust/fumes may be generated when the bullet is fired. The main hazards and mitigating measures for exposure to dust/fumes are presented below.

2.1 Classification of the substance or mixture

GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)

- Toxic to reproduction, Cat. 1A
- Toxic to reproduction, effects on or via lactation
- Carcinogenicity, Cat. 2
- Specific target organ toxicity (repeated exposure), Cat. 2

2.2 GHS label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard statement(s)

H351
H360
H362
H373

Suspected of causing cancer
May damage fertility or the unborn child
May cause harm to breast-fed children
May cause damage to organs through prolonged or repeated exposure

Precautionary statement(s)

P201
P202
P260
P263
P264
P270
P280
P308+P313
P314
P405
P501

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Do not breathe dust/fume.
Avoid contact during pregnancy/while nursing.
Wash hands and exposed skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Wear protective gloves/protective clothing/eye protection/face protection.
IF exposed or concerned: Get medical advice/attention.
Get medical advice/attention if you feel unwell.
Store locked up.
Dispose of contents/container in accordance with applicable Federal, State and local laws and regulations

2.3 Other hazards which do not result in classification

Inhalation of metallic oxides fumes may cause metal fume fever, characterized by flu-like symptoms such as chills, fever, nausea, and vomiting.

SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable.

3.2 Mixtures

Components

Component	Concentration
Lead (CAS no.: 7439-92-1)	60 - 100 % (weight)
Copper (CAS no.: 7440-50-8) and Zinc (CAS no.: 7440-66-6)	5 - 35 % (weight)

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If symptoms of lung irritation occur (coughing, wheezing or breathing difficulty), remove from exposure area to fresh air immediately. Keep affected person warm and at rest. Get medical attention.

In case of skin contact

No first aid measures are normally required. Rinse skin with water. Get medical attention/advice if irritation or rash develops or persists.

In case of eye contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
If swallowed	Not a likely route of exposure. Get medical attention if you feel unwell.

4.2 Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

If inhaled	Inhalation of dusts or fumes may cause nasal irritation and/or nausea, vomiting and stomach pain. Inhalation of metallic oxides fumes may cause metal fume fever, characterized by flu-like symptoms such as chills, fever, nausea, and vomiting.
In case of skin contact	No adverse effects are normally expected. May cause an allergic skin reaction in highly susceptible individuals.
In case of eye contact	Exposure to dust may cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.
Chronic effects for dust/fumes	Suspected of causing cancer. May damage fertility or the unborn child. May cause harm to breast-fed children. May cause damage to organs through prolonged or repeated exposure.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Use Class D extinguishing agents on molten metal.

5.2 Specific hazards arising from the chemical

Metal powder may form combustible dust concentrations in air. Molten metal may react violently with water. Combustion products may contain metal oxides and other toxic gases and fumes.

5.3 Special protective actions for fire-fighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

No additional information available.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

No special measures required. For information on safe handling see Section 7.

6.2 Environmental precautions

Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal or recycling in accordance with applicable Federal, State and local laws and regulations.

Reference to other sections
For disposal see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practices. Avoid generation of dusts/fumes. Wash hands with soap and water after handling. Wear appropriate personal protective equipment as described in Section 8.

7.2 Conditions for safe storage, including any incompatibilities

Keep in a dry and well-ventilated place.

Specific end use(s)

Apart from the uses mentioned in section 1 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

Lead (CAS no.: 7439-92-1)

PEL-TWA: 0.05 mg/m³ [0.03 mg/m³ Action Level] (OSHA)

REL-TWA: 0.05 mg/m³ (NIOSH)

TLV-TWA: 0.05 mg/m³ (Lead and inorganic compounds, as Pb) (ACGIH)

PEL-TWA: 0.05 mg/m³ (Lead, metallic and inorganic compounds), dust and fume, (as Pb) (Cal/OSHA)

Copper (CAS no.: 7440-50-8)

PEL-TWA: 1 mg/m³ (dusts & mists) (OSHA)

PEL-TWA: 0.1 mg/m³ (fume) (OSHA)

REL-TWA: 1 mg/m³ (except fume) (NIOSH)

REL-TWA: 0.1 mg/m³ (fume) (NIOSH)

TLV-TWA: 1 mg/m³ (dusts and mists) (ACGIH)

TLV-TWA: 0.2 mg/m³ (fume) (ACGIH)

PEL-TWA: 1 mg/m³ (copper salts, dusts and mists) (Cal/OSHA)

PEL-TWA: 0.1 mg/m³ (copper metal fume) (Cal/OSHA)

8.2 Appropriate engineering controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

When engaged in activities with dust, chips, and fines generation, wear safety glasses with side shields or goggles. Eye protection equipment must be tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Not required under normal use conditions.

Body protection

Wear protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required under normal use conditions. Ensure adequate ventilation. Where risk assessment shows air-purifying respirators are appropriate use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Thermal hazards

No data available.

Environmental exposure controls

Discharge into the environment must be avoided.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Solid cylindrical projectile.
Odor	No odor.
Odor threshold	No data available.
pH	Not applicable.
Melting point/freezing point	No data available.
Initial boiling point and boiling range	Not applicable.
Flash point	Not applicable.
Evaporation rate	Not applicable.
Flammability (solid, gas)	No data available.
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	Not applicable.
Vapor pressure	Not applicable.
Vapor density	Not applicable.
Relative density	No data available.
Density	No data available.
Solubility(ies)	Not soluble in water.
Partition coefficient: n-octanol/water	Not applicable.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Viscosity	Not applicable.
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

Other safety information

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Not reactive under normal use and storage conditions.

10.2 Chemical stability

Stable under normal storage conditions.

10.3 Possibility of hazardous reactions

Reacts with strong acids to form flammable hydrogen gas.

10.4 Conditions to avoid

Avoid generation of dust and fumes, avoid contact with incompatible materials.

10.5 Incompatible materials

Strong acids, strong bases, strong oxidizing agents.

10.6 Hazardous decomposition products

No data available.

SECTION 11: Toxicological information

Information on toxicological effects

Likely Routes of Exposure: Skin contact, inhalation, eye contact.

If inhaled	Inhalation of dusts or fumes may cause nasal irritation and/or nausea, vomiting and stomach pain. Inhalation of metallic oxides fumes may cause metal fume fever, characterized by flu-like symptoms such as chills, fever, nausea, and vomiting.
In case of skin contact	No adverse effects are normally expected. May cause an allergic skin reaction in highly susceptible individuals.
In case of eye contact	Exposure to dust may cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.
Chronic effects for dust/fumes	Suspected of causing cancer. May damage fertility or the unborn child. May cause harm to breast-fed children. May cause damage to organs through prolonged or repeated exposure.

Acute toxicity

Based on available data, classification criteria are not met.

Skin corrosion/irritation

Based on available data, classification criteria are not met.

Serious eye damage/irritation

Based on available data, classification criteria are not met.

Germ cell mutagenicity

No data available.

Carcinogenicity

Product dust/fumes are suspected of causing cancer.

Components:

Lead (CAS no.: 7439-92-1)

IARC: 2B - Possibly carcinogenic to humans

NTP: Reasonably anticipated to be Human Carcinogen

Reproductive toxicity

Exposure to dust/fumes may damage fertility or the unborn child. Exposure to dust/fumes may cause harm to breast-fed children.

STOT-single exposure

No data available.

STOT-repeated exposure

Exposure to dust/fumes may cause damage to organs through prolonged or repeated exposure. Chronic exposure to lead can cause kidney damage, anemia, and permanent nervous system damage in humans including changes in cognitive function.

Aspiration hazard

Based on available data, classification criteria are not met.

Additional information

No data available.

SECTION 12: Ecological information

Toxicity

No data available on product.

Persistence and degradability

No data available on product.

Bioaccumulative potential

No data available on product.

Mobility in soil

No data available.

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

Other adverse effects

No data available.

SECTION 13: Disposal considerations

Disposal of the product

Disposal should be in accordance with applicable Federal, State and local laws and regulations. Local regulations may be more stringent than State or Federal requirements.

Disposal of contaminated packaging

Dispose of as unused product.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Safety Data Sheet

Projectiles



SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 311/312 Hazards

Chronic health hazard.

SARA 313 Components

Lead (CAS no.: 7439-92-1)

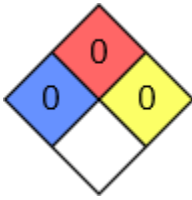
Copper (CAS no.: 7440-50-8)

Zinc (CAS no.: 7440-66-6)

HMIS Rating

Projectiles	
HEALTH	4*
FLAMMABILITY	0
PHYSICAL HAZARD	0

NFPA Rating



SECTION 16: Other information

16.1 Further information/disclaimer

Date of issue: April 05, 2023.

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. All materials may present unknown hazards and should be used with caution. In no event shall we be held liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if we have been advised of the possibility of such damages.