



Material Safety Data Sheet

Printed Date: 03/11/2017

Manufacturing & Supply, Inc.
PO Box 2659
White City, Oregon 97503 USA

Emergency Phone No. 541-826-5211
FAX No. 541-826-8669

Section 1. Identification of the substance/mixture and of the company

1.1 Product Identifier

Product Form: Mixture

Product Name: Corbin Core Bond Synonyms: CBL-4 (four ounces), CBL-16 (pint)

1.2 Intended Use of Product

User of substance/mixture: producer of bonded lead bullets (lead/copper bonding)

1.3 Name, address and telephone number of responsible party

Corbin Manufacturing & Supply, Inc. PO Box 2659, White City, OR 97503 USA
Business telephone: 541-826-211 Fax 27/7: 541-826-8669

1.4 Emergency Telephone Number

541-826-211

Section 2. Hazards Identification

2.1 GHS Classification of the Substance or Mixture

Acute Tox. 4

Skin Corr. 1B

Aquatic Acute 1

Aquatic Chronic 1

Eye Irrit. 2

2.2 Label Elements

Signal word (GHS-US) DANGER

Zinc Ammonium Chloride

H CODES:

Hazard Statements (GHS-US): H302, H314, H319, H410

Harmful if swallowed

Harmful if inhaled

Causes severe skin burns and eye damage.

Very toxic to aquatic life with long lasting effects.

P CODES:

P264, 270, 280, 301+312, 330, 501,260, 301+330+331, 303+361+353+310, k

363, 304_340, 321, 405, 273, 305+351+338+310, 337+313

Avoid breathing dust/mist/vapors/fumes/spray. Do not get in eyes, on skin, or on clothing.

Use in a well ventilated area. Wear protective gloves/protective clothes/eye protection/face protection. In case of inadequate ventilation use respiratory protection. Do not eat, drink, or smoke when using this product. IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.

Immediately call a POISON CENTER/Doctor. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical advice/attention if you feel unwell. IF INHALED: Remove victim to fresh air and keep comfortable for breathing. Get

medical advice/attention if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

Immediately call POISON CENTER/Doctor. Wash thoroughly after use. Wash contaminated clothing before reuse. Store in a closed corrosive resistant container, with corrosive resistant liner, in a cool dry place. Avoid release to the environment. Dispose of contents/container in accordance with specified local/regional/national/international regulations for disposal. Keep out of the reach of children. Read label and SDS prior to use.

2.3 Other Hazards

No additional information available.

2.4 Unknown Acute Toxicity (GHS-US)

No data available.

Section 3. Composition/Information on Ingredients

3.1 Substances

Hazardous Component

<i>Component</i>	<i>CAS-no.</i>	<i>OSHA TWA</i>	<i>ACIGH TWA</i>	<i>Other Limits</i>	<i>%</i>
+Zinc Chloride	7646-85-7	1mg/M3	1mg/M3	NE	39%
Ammonium Chloride	12125-02-9	10mg/M3	10mg/M3	NE	

Only those ingredients listed in this section have been determined to be hazardous as defined in 29CFR 1910.1200.

+Denotes a chemical regulated as toxic by the Environmental Protection Agency (EPA) as outlined in 40CFR Part 372 (section 313).

Section 4. First Aid Measures

4.1 Description of First-aid Measures

First-aid Measures, general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid Measures After Inhalation: Remove to fresh air. Support respiration if required. Seek medical attention.

First-aid Measures After Ingestion: DO NOT induce vomiting. Drink large amounts of water. Seek medical attention.

First-aid Measures After Skin Contact: Flush with water immediately. Seek medical attention if necessary.

First-aid Measures After Eye Contact: Flush with water for 15 minutes. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms/Injuries after Eye Contact: Redness, burning, tearing, blurred vision.

Symptoms/Injuries after Inhalation: Nose and throat irritation, headache, dizziness.

Symptoms/Injuries After Skin Contact: Redness, burning, rash, dryness.

Symptoms/Injuries After Ingestion: Nausea, vomiting, cramps.

4.3 Medical Conditions aggravated by exposure

Skin, kidney and respiratory conditions.

4.4 Indication of Any Immediate Medical Attention and Special Treatment Needed

If medical advice is needed, have product container or label at hand.

Section 5. Fire Fighting Measures

5.1 Extinguishing Media

Dry chemical

5.2 Special Fire Fighting procedures

Use self-sustaining respiratory suit

5.3 Special Hazards Arizing from the Substance or Mixture

May release hydrochloric acid, zinc chloride, zinc oxide, ammonia fumes.

Section 6. Accidental Release Measures

6.1 Methods and Materials

Flush into chemical sewer or soak up with a suitable adsorbent. Wear adequate protection as described in section 8.

6.1.1. For Non-emergency Personnel

Protective Equipment: Use appropriate personal protective equipment (PPE)

Emergency Procedures: Evacuate unnecessary personnel.

6.1.2. For Emergency Responders

Protective Equipment: Equip cleanup crew with proper protection

Emergency Procedures: Ventilate area

6.2 Environmental Precautions

Avoid release to the environment. Collect spillage.

6.3 Methods and Material for Containment and Cleaning Up

For Containment: Adsorb and/or contain spill with inert material, then place in suitable container.

Methods of Cleaning Up: Clear up spills immediately and dispose of waste safely.

Section 7. Handling and Storage

7.1 Precautions for Safe Handling

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking. Wash contaminated clothing before reuse.

7.2 Conditions for Safe Storage, Including Any Incompatibilities

Storage Conditions: Store in a dry, cool and well ventilated place. Keep container closed when not in use.

Store in a corrosive-resistant container with corrosive resistant liner.

Keep out of reach of children. Read label and SDS prior to use.

Storage Temperature: In bulk, store at ambient temperature or lower, protect from freezing.

Storage Area: Temperature higher than necessary degrades quality at rates dependent on time and temperature of exposure.

Section 8. Exposure Controls/Personal Protection

8.1 Occupational Exposure Limit Values:

See section 3.

8.2 Personal Protective measures/equipment:

Respiratory Protection (type): Acid mask required for fumes above TWA

Ventilation: Local Exhaust preferred. Special: NE

Mechanical: OK Other: NE

Protective Gloves: Plastic or Rubber

Eye Protection: Goggles or face shield.

Other Protective Clothing or Equipment: as required to avoid contact.

Work/Hygienic Practices: Wash after use. Follow good industrial hygienic practices.

Section 9. Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Boiling Point: 230 F.

Specific Gravity: 1.403

Vapor Pressure (mmHg): NE

Melting Point: NE

Vapor Density: NE

Evaporation Rate: < 1

Solubility in water: 100% pH: NE

Flash Point: NE (TOC)

Flammable Limits: lcl: NE ucl: NE

9.2 Appearance and Color:

Clear to yellow liquid, wintergreen odor.

Section 10. Stability and Reactivity

10.1 Reactivity: Stable at ambient temperature and under normal conditions of use.

10.2 Chemical Stability: Product is stable.

10.3 Hazardous Polymerization: Hazardous polymerization will not occur.

10.4 Conditions to avoid: None.

10.5 Incompatible Materials: Strong bases and acids, oxidizers, sulfides, halogens.

10.6 Hazardous Decomposition Products: Hydrochloric acid, zinc oxide, chlorine, ammonia, zinc chloride.

Section 11. Toxicological Information

11.1 Routes of Entry

Inhalation: yes

Skin: no

Ingestion: yes

11.2 Health Hazards (acute and chronic)

Contact with material or fumes may cause skin, eye and respiratory tract irritation or burns. Severe inhalation can cause pulmonary edema, which may not manifest for several hours after exposure. Ingestion may result in irritation or burning of the digestive tract. Gross inhalation or ingestion can result in death. LD50 (ZnCl₂)(rat)=350 mg/kg. May be mutagenic in lab animals. May cause sensitization. Chronic exposures can result in permanent liver, kidney and respiratory system effects. Studies show that health risks vary by individual. Minimize exposure as a precaution.

11.3 Carcinogenicity: Not determined. NPT: no. IARC Monographs: no.

Section 12. Ecological Information

12.1 Toxicity: NE

12.2 Persistence and Degradability: NE

12.3 Bioaccumulative Potential: NE

12.4 Mobility in Soil: NE

12.5 Other Adverse Effects: NE

Section 13. Disposal Considerations

13.1 Waste Disposal Method: Dispose of waste material in accordance with all local, regional, national, and international regulations.

13.2 Other Precautions: Avoid skin and eye contact, inhalation and ingestion of fumes and material. Wash contaminated clothing before reuse. Keep away from children.

Section 14. Transport Information

14.1 DOT Classification: Non-Hazardous

14.2 Marine Pollutant: NE

Section 15. Regulatory Information

15.1 NFPA Classification: (NFPA 325M, 8th edition) Health, Flammability, Reactivity: 2-0-0

15.2 State of California: This product contains components known to the state of California to cause cancer or reproductive harm.

Section 16. Other Information

Other information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. The data contained within this publication has been compiled from sources believed to be reliable and based on the best information available to Corbin Mfg & Supply, Inc., at the time of issue. No warranty, guarantee, or representation is made by Corbin Mfg & Supply, Inc., nor does Corbin Mfg & Supply, Inc., assume any responsibility in connection therewith; nor can it be assumed that all acceptable safety measures or other safety measures may not be required under particular or exceptional conditions or circumstances.