

Material Safety Data Sheet

Section 1 Product and Company Identification

Product Name: E-Z Break Anti-Seize Paste, Copper Grade
Revision #: 1.9 **Date Prepared:** January 9, 1995 **Date Revised:** February 21, 2013

Manufacturer:

LA-CO INDUSTRIES, Inc. *Markal Co.*

1201 Pratt Blvd.

Elk Grove Village, IL, USA 60007-5746

Information Telephone: 847-956-7600

Emergency Telephone: Call CHEMTREC

USA 800-424-9300

International (Call Collect) 1-703-527-3887

Chemical Formula: Mixture

CAS No.: Not Applicable. **Derivation:** Not Applicable.

Synonyms: Not Applicable.

General Use: High Temperature Anti-Seize Lubricating Compound.

Supplier/Importer:

Section 2 Composition/Information on Ingredients

<u>Ingredient</u>	<u>CAS No.</u>	<u>%</u>
Copper ^{1,3,4,5,6} ACGIH: TWA (dust) = 1 mg/m ³ OSHA: TWA (dust) = 1 mg/m ³ EPA: CERCLA RQ = 5000 lbs.; EPCRA sec. 313 de minimus concentration = 1.0% SARA: Health Assessment Rank = 87 SDWA: MCLG = 1.3 mg/l	7440-50-8	10
Aluminum ^{3,5,6} ACGIH: TWA (dust) = 10 mg/m ³ OSHA: TWA (dust) = 15 mg/m ³ SARA: Health Assessment Rank = 158	7429-90-5	2

(For Section 2 footnotes: See Section 15)

Section 3 Hazards Identification

EMERGENCY OVERVIEW: Copper colored paste.

POTENTIAL HEALTH EFFECTS

Primary Exposure Routes: Eyes

Acute Effects

Eyes: May cause minor eye discomfort from direct contact.

Skin: Not applicable.

Ingestion: May lead to gastro-intestinal irritation.

Inhalation: Hot vapors may be irritating.

Chronic Effects

Eyes: Not Determined.

Skin: Not Determined.

Ingestion: Not Determined.

Inhalation: Not Determined.

Carcinogenicity: Not Applicable.

Target Organ Effects: Not Applicable.

Medical Conditions Aggravated by Long-Term Exposure: Not Determined.

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Other Information: Not Applicable.

Section 4 First Aid

Eye Contact: Flush eyes with plenty of water for at least 15 minutes.

Skin Contact: Wash exposed skin with soap and water.

Ingestion: If large amounts are swallowed, consult a physician.

Inhalation: If adverse effects occur, remove to uncontaminated area. Get medical attention.

Other Information: Not Applicable

Section 5 Fire Fighting Measures

Flash Point (method): 410⁰F / 210⁰C (coc)

Autoignition Temperature: Not Determined.

LEL: Not Determined. **UEL:** Not Determined.

Flammability Classification: Class B

Extinguishing Media: Dry chemical, carbon dioxide (CO₂), halogenated agents, foam, steam, or water fog.

Hazardous Combustion Products: Carbon monoxide, carbon dioxide and other harmful products.

Unusual Fire or Explosion Hazards: Not applicable.

Fire-Fighting Instructions/Equipment: Keep personnel removed and upwind of any fire. Wear full fire-fighting turn-out gear (full Bunker gear), and respiratory protection (SCBA).

Section 6 Accidental Release Measures

Caution: Spill area may be slippery. Use recommended personal protective equipment (see Section 8).

Small Spill: Scrape up, remove residue.

Large Spill: Contain on an absorbent material (e.g., sand, sawdust, dirt, clay). Remove residue. Keep out of sewers and waterways.

Section 7 Handling and Storage

Handling Precautions: Use recommended personal protective equipment (see Section 8). Wash thoroughly after handling.

Storage Requirements: Store away from incompatible chemicals (see Sec. 10). Store in a cool, dry area.

Section 8 Exposure Controls/Personal Protection

Eye/Face Protection: Safety glasses or goggles recommended.

Skin/Hand Protection: Not applicable.

Respiratory Protection: Not applicable.

Other Equipment: Eye wash and safety shower.

Engineering Controls: Normal room ventilation. Local exhaust in confined areas.

Administrative Controls: Users of this product must be properly trained and qualified in its use.

Other Information: Not applicable.

Section 9 Physical and Chemical Properties

Appearance/Physical State: Copper to silver/gray colored paste.

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Odor: Oil-like.
Odor Threshold (ppm): Not Determined.
Specific Gravity (H₂O = 1): 1.3
Solubility - Water: Insoluble
 - Fat: Soluble
Coefficient of Water/Oil Solubility: <<1
Partition Coefficient (n-octanol/water): >>1
pH: Not applicable.
Melting Point: Not Determined.
Boiling Point: Not Determined.
Vapor Pressure (mm Hg at 20⁰C): Not applicable.
Vapor Density (Air = 1): Not applicable.
Evaporation Rate (n-BuAc=1): <<1
V.O.C.: 0%(w/w), 0%(v/v), 0 lbs./gal.(U.S.), 0 kg/l
Flash Point (method): (see Section 5)
Autoignition Temperature: (see Section 5)
Flammability Classification: (see Section 5)
Unusual Fire or Explosion Hazards: (see Section 5)
Oxidizing Properties: Not Applicable.
Other Information: None.

Section 10 Stability and Reactivity

Chemical Stability: Stable
Hazardous Polymerization: Will Not Occur
Conditions to Avoid: None Known.
Chemicals to Avoid: Oxidizers
Hazardous Decomposition Products (non-thermal): Not Determined.

Section 11 Toxicological Information

Sensitization to Product: Not Applicable.
Irritancy of Product: Not applicable.
Reproductive Toxicity: Not Applicable.
Teratogenicity: Not Applicable.
Mutagenicity: Not Applicable.

E-Z BREAK COPPER GRADE WAS TESTED BY AN INDEPENDENT LABORATORY AND FOUND TO BE NON-TOXIC BY INGESTION AND NON-IRRITATING TO THE SKIN AND EYES WHEN TESTED IN ACCORDANCE WITH THE U.S. FEDERAL HAZARDOUS LABELING ACT.

Further hazard information, if applicable, may be found in Section 3. Toxicological information regarding individual ingredients, if applicable, may be found in Section 2.

Section 12 Ecological Information

Mobility: Not Determined.
Degradability: Not Determined.
Accumulation: Not Determined.
Ecotoxicity: Not Determined.
Other Adverse Effects: Not Determined.

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Section 13 Disposal Considerations

Dispose of in accordance with all applicable regulations.

Section 14 Transport Information

D.O.T. (U.S.)

Proper Shipping Name: Petroleum Grease, Item 155250

Hazard Class or Division: Not Regulated.

Hazard Label: Not Regulated.

I.D. Number: Not Regulated.

TDG (Canada): Not Regulated.

IATA: Not Regulated.

ICAO: Not Regulated.

IMO: Not Regulated.

Australian Code for the Transport of Dangerous Goods

Dangerous Goods Class and Subsidiary Risk: Not Determined.

Section 15 Regulatory Information

Footnotes for Section 2:

- 1 Subject to the reporting requirements of SARA Title III, Section 313.
- 2 Appears on the California Safe Drinking Water and Toxic Enforcement Act (Prop. 65) Substances List.
- 3 Appears on the Massachusetts Substances List.
- 4 Appears on the New Jersey Right-To-Know Hazardous Substances List.
- 5 Appears on the Pennsylvania Hazardous Substances List.
- 6 Appears on the Canadian WHMIS Ingredient Disclosure List.

U.S.A.

OSHA Hazard Status: This product is not considered to be hazardous as defined by the U.S. OSHA HCS (29 CFR 1910.1200).

EPA SARA sec. 311/312 Hazard Categories: Not Applicable.

Toxic Substances Control Act (TSCA): All ingredients contained in this product are listed on the U.S. EPA TSCA Chemical Substance Inventory.

HMIS Rating: Health 1, Flammability 2, Reactivity 0

NFPA Rating: Health 1, Flammability 1, Reactivity 0

U.S. Military Specifications: Meets Mil. Spec. A-907E.

CANADA

WHMIS Status: This product is not considered to be hazardous as defined by Canadian WHMIS Controlled Products Regulations.

WHMIS Rating: None.

WHMIS Risk Phrases: None.

WHMIS Precautionary Statements: None.

Domestic Substances List (DSL): All ingredients contained in this product are listed on the Canadian EPA (CEPA) Domestic Substances List (DSL).

E.U.

European Inventory of Existing Chemical Substances (EINECS): All ingredients contained in this product are listed on the European Inventory of Existing Chemical Substances (EINECS).

Categories of Danger (Labeling Information): None.

Risk (R) Phrases: None.

Safety (S) Phrases: None.

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AUSTRALIA

Worksafe Australia Status: This product is not classified as hazardous according to criteria of Worksafe Australia.

HAZCHEM Code: None allocated.

Poisons Schedule Number: None allocated.

Further regulatory information regarding individual ingredients, if applicable, may be found in Section 2.

This product has been classified in accordance with the hazard criteria of the U.S. OSHA Hazard Communication Standard, the Canadian WHMIS Controlled Products Regulations, the British CHIP2 regulation 6, and the Australian NMRCWHS. This MSDS contains the information required by the above regulations and conforms to ANSI Z400.1-1993.

Section 16 Other Information

MSDS Prepared By: Director of Chemical Safety

The information contained herein is based on data available to us and is accurate and reliable to the best of our knowledge and belief. However, LA-CO Industries, Inc. makes no representations as to its completeness or accuracy. Information is supplied on condition that persons receiving such information will make their own determination as to its suitability for their purposes prior to use. In no event will LA-CO Industries, Inc. be responsible for damages of any nature whatsoever resulting from the use of or reliance upon the information contained herein.