SAFETY DATA SHEET
AGMCU-104X ZINC DUST

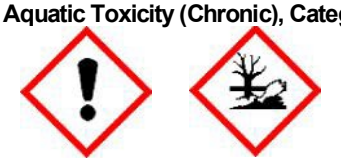
1. Product and Company Identification

Product Code: AGMCU-104X ZINC DUST
Product Name: AGMCU-104X ZINC DUST
Company Name: ArmorGarage LLC.
860 Springfield RD
Union NJ 07083
Emergencies Involving Spills, Leaks
Fires, Exposures, or Accidents
Emergency Contact: CHEMTREC: (800) 424-9300

Phone Number:
(866) 532-3979

2. Hazards Identification

Aquatic Toxicity (Acute), Category 1
Aquatic Toxicity (Chronic), Category 1



GHS Signal Word **Danger**

GHS Hazard Phrases:
H303 – May be harmful if swallowed.
H316 - Causes mild skin irritation.
H320 – Causes eye irritation.
H335 – May cause respiratory irritation.
H411 – Toxic to aquatic life with long-lasting effects.

GHS Precaution Phrases:
P261 – Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 - Wash hands thoroughly after handling.
P270 – Do not eat, drink or smoke when using this product.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

GHS Response Phrases:
P301+330+331 – IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get medical aid.
P303+361+353 - IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P332+313 - If skin irritation occurs, get medical advice/attention.
P337+313 - If eye irritation persists, get medical advice/attention.

GHS Storage and Disposal Phrases:
P403+235 - Store in cool/well-ventilated place. Store locked up.
P501 - Contact a licensed professional waste disposal service to dispose of this material.

Potential Health Effects: Chronic inhalation may cause effects similar to those of acute inhalation.
Inhalation: May be harmful if inhaled.
Skin Contact: Causes mild irritation.
Eye Contact: Causes eye irritation. Causes redness and pain.
Ingestion: May be harmful if swallowed.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
7440-66-6	Zinc Dust	100%

4. First Aid Measures

Emergency and First Aid Procedures

In Case of Inhalation: If inhaled, remove to fresh air. If breathing is difficult, give oxygen. Remove from exposure and move to fresh air immediately. Get medical aid.

In Case of Skin Contact: Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. If skin irritation occurs, get medical advice/attention.

In Case of Eye Contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

In Case of Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Do NOT induce vomiting. Get medical aid.

Note to Physician: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area. Treat symptomatically and supportively.

5. Fire Fighting Measures

Explosion: Avoid generating dust; fine dust dispersed in air in sufficient concentrations and in the presence of an ignition Source is a potential dust explosion hazard.

Means of Extinction: Blanket with Class D dry powder type extinguisher or smother with dry sand. Avoid water. Do not disturb until extinguished. Contact with acids and alkali hydroxides results in generation of potentially explosive hydrogen gas. Firefighters should wear PPE and SCBA with full face piece operated in positive pressure mode.

Method of Clean-up: Wet zinc dust should be collected into an open container and set into an open, well-ventilated area to allow for drying. Once dry, zinc dust can be disposed of in accordance with local, state, provincial and national regulations.

6. Accidental Release Measures

Steps to be Taken in Case Material is Released or Spilled: Evacuate the area to prevent inhalation of zinc dust by unprotected workers. Remove potential for ignition by turning off sources of flame and other ignition sources. Allow airborne dust to settle then sweet up dust and dispose of in accordance with local, provincial, state or national regulations.

7. Handling and Storage

Precautions To Be Taken in Handling: Avoid contact with skin and eyes. Normal measures for preventive fire protection. Avoid inhalation of vapor or mist. Keep away from sources of ignition – No smoking. Take measures to prevent the build-up of electrostatic charge.

Precautions To Be Taken In Storing: Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep away from heat, sparks, and open flame.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA
7440-66-6	Zinc Dust	PEL: 5 (dust) mg/m3	TLV: 2 mg/m3 (E)

Respiratory Equipment (Specify Type): For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi- purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls.

Eye Protection: Safety glasses with side shield. For a higher degree of protection, wear chemical splash goggles.

Protective Gloves: Wear appropriate protective gloves to prevent skin exposure, such as butyl rubber or nitrile rubber. Wear appropriate protective clothing to prevent skin exposure.

Other Protective Clothing: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

Engineering Controls (Ventilation, etc.)

Work/Hygienic/Maintenance Practices: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Wash thoroughly after handling. Wash contaminated clothing before reuse.

9. Physical and Chemical Properties

Physical States:	[ ] Gas	[ ] Liquid	[X] Solid
Flash Point:	N/A		
Boiling Point:	>1000°F		
Explosive Limits:	LEL: N/A		
Weight Per Gallon:	58 +/-2		
Vapor Pressure (mm Hg):	N/A		
Vapor Density:	N/A		
Evaporation Rate:	N/A		
Percent Volatile:	0 (Vol)		

10. Stability and Reactivity

Stability:	Unstable [ ] Stable [X]
Conditions to Avoid - Instability:	Excessive heat, ignition sources
Incompatibility – Materials To Avoid:	Strong oxidizing agents.
Hazardous Decomposition Or Byproducts:	Nature of decomposition products unknown.
Possibility of Hazardous Reactions:	Will occur [ ] Will not occur [X]
Conditions to Avoid -	No data available

11. Toxicological Information

Toxicological Information:	No information found.
Irritation or Corrosion:	No information found.
Carcinogenicity/Other Information:	NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA. IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

12. Ecological Information

General Ecological Information:	Toxic to aquatic life with long lasting effects.
Bioaccumulative Potential:	No data available.
Mobility in Soil:	No data available.

13. Disposal Considerations

Waste Disposal Method:	Dispose of as unused product. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14. Transport Information

LANDS TRANSPORT (US DOT) Limited Quantity – Used for 1 gallon containers when shipped in the United States of America.
DOT Proper Shipping Name: 5 gal. pails – UN3082, PG III, Class 9 Environmentally hazardous substance, solid, n.o.s. (Zinc Powder).

Marine Transport The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg (per container).
IMDG Shipping: UN 3082, PG III, Class 9 Environmentally hazardous substance, solid, n.o.s. (Zinc Powder).

AIR TRANSPORT (ICAO/IATA)
ICAO/IATA SHIPPING NAME: UN 3082, PG III, Class 9 Environmentally hazardous substance, solid, n.o.s. (Zinc Powder).

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
7440-66-6	Zinc Dust	No	No	No

All components in this product are listed in the TSCA Inventory List.

V.O.C. (mixed): (413 GMS/L)

16. Other Information

Revision Date2/20/2023
Additional Information About This Product:

Hazardous Material Information System III (U.S.A)

Health: 1
Flammability: 1
Reactivity: 0
Personal Protection: *

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on MSDSs under 29 CFR 1910. 1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by ArmorGarage LLC, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.