SAFETY DATA SHEET
AGMCU-104X LIQUID

1. Product and Company Information

Product Code:	AGMCU-104X LIQ.	**Phone Number:**
Product Name:	AGMCU-104X LIQUID	(866) 532-3979
Trade Name:	ARMOR AGMCU-104X ZINC LIQUID	
Company Name:	ArmorGarage LLC 860 Springfield RD Union NJ 07083	
	Emergencies Involving Spills, Leaks Fires, Exposures, or Accidents	
Emergency Contact:	CHEMTREC (800) 424-9300	

2. Hazards Identification

Acute Toxicity: Oral, Category 5
Skin Corrosion/Irritation, Category 2
Skin Sensitization, Category 1
Serious Eye Damage/Eye Irritation, Category 2
Respiratory Sensitization, Category 2
Carcinogenicity, Category 2
Aquatic Toxicity (Acute), Category 2
Flammable Liquids, Category 3
Acute Toxicity: Inhalation, Category 4

GHS Signal Word:	**Danger**
GHS Hazard Phrases:	H226 - Flammable liquid and vapor. H303 - May be harmful if swallowed. H315 - Causes skin irritation. H317 - May cause an allergic skin reaction. H319 - Causes serious eye irritation. H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
GHS Precaution Phrases:	P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking. P241 - Use explosion-proof electrical/ventilating/lighting/ equipment. P260 - Do not breathe dust/fume/gas/mist/vapors/spray. P271 - Use only outdoors or in a well-ventilated area. 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. P370+378 - In case of fire, use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.
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 (Acute and Chronic): Chronic inhalation may cause effects similar to those of acute inhalation.

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation. Inhalation of high concentrations may cause central nervous system effects characterized by nausea, headache, dizziness, unconsciousness and coma. Vapors may cause dizziness or suffocation.

Skin Contact: May be harmful if absorbed through the skin. Causes skin irritation. Prolonged and/or repeated contact may cause irritation and/or dermatitis. Causes redness and pain.

Eye Contact: Causes severe eye irritation. Causes redness and pain.

Ingestion: May be harmful if swallowed. May be harmful if inhaled. Causes respiratory tract irritation. May cause irritation of the digestive tract. May cause gastrointestinal irritation with nausea, vomiting and diarrhea. May cause central nervous system depression, characterized by excitement, followed by headache, dizziness, drowsiness, and nausea. Advanced stages may cause collapse, unconsciousness, coma and possible death due to respiratory failure. Aspiration of material into the lungs may cause chemical pneumonitis, which may be fatal.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration
Proprietary	Aromatic MDI Resin	40.0 - 55.0%
64742-95-6	Aromatic Solvent	40.0 - 50.0%
1330-20-7	Xylene (mixed isomers)	1.0 – 10.0%
100-41-4	Ethylbenzene	0.01 – 1.0%

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.

Signs and Symptoms of Exposure: Central nervous system depression. Dermatitis. Abdominal pain, Nausea. Vomiting, Anorexia. Shortness of breath.

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

Suitable Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

Fire Fighting Instructions: Use water spray to cool unopened containers. Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Specific Hazard(s): Flammable Liquid. Emits toxic fumes under fire conditions. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Use water spray to keep fire-exposed containers cool. Flammable liquid and vapor. Vapors are heavier than air and may travel to a source of ignition and flash back. Vapors can spread along the ground and collect in low or confined areas.

Flammable Properties and Hazards: Vapor may travel considerable distance to source of ignition and flash back. Container explosion may occur under fire conditions. Forms explosive mixtures in air.

6. Accidental Release

Personal precaution _____

Steps To Be Taken In Case Material is Released or Spilled:

MEASURES

Use personal protective equipment.
Spills/Leaks: Control runoff and isolate discharged material for proper disposal. Use water spray to cool and disperse vapors and protect personnel.
Avoid generating dusty conditions. Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Remove all sources of ignition. Control runoff and isolate discharged material for proper disposal. Use water spray to cool and disperse vapors and protect personnel.

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.

Precautions To Be Taken in Storing:

Keep away from sources of ignition - No smoking. Take measures to prevent the build-up of electrostatic charge. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Suitable: Keep away from heat, sparks, and open flame.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA
Proprietary	Aromatic MDI Resin	N/A	N/A
64742-95-6	Aromatic Solvent	PEL: 100 ppm	TLV: 100 PPM STEL: 150 PPM
100-41-4	Ethylbenzene	PEL: 100 ppm	TLV: 100 ppm STEL: 125 PPM
1330-20-7	Xylene (mixed isomers)	PEL: 100 ppm	TLV: 100 ppm STEL: 150 ppm

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.

Other Protective Clothing: Wear appropriate protective clothing to prevent skin exposure.

Engineering Controls (Ventilation, etc.): Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low. Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.

9. Physical and Chemical Properties

Physical States:	[ ] Gas [X] Liquid
Boiling Point:	>250°F
Flash Point:	81°F
Explosive Limits:	LEL: 1.0 UEL: 7.1
Weight Per Gallon:	8.30 +/- .3
Vapor Pressure (mm Hg):	7.1 @ 68°F
Vapor Density:	Heavier than Air
Evaporation Rate:	Slower than Ether
Percent Volatile:	53 (Vol.)

10. Stability and Reactivity

Stability: Unstable [ ] Stable [X]

Conditions to Avoid-Instability: Heat, flames and sparks.

Incompatibility – Materials To Avoid: Amines, Strong bases, Alcohols, Strong oxidizing agents

Hazardous Decomposition Or Byproducts: Formed under fire conditions. Carbon oxides, nitrogen oxides (NOx), aluminum oxide, carbon monoxide.

Possibility of Hazardous Reactions: Will occur [ ] Will Not Occur [X]

11. Toxicological Information

Toxicological Information: No information found.

Irritation or Corrosion: Serious eye damage/eye irritation.

Carcinogenicity/Other Information: Carcinogenicity.

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.

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. ⚠ This product contains the following substances known to the State of California to cause cancer, birth defects, or other reproductive hazards: Benzene, Toluene.

12. Ecological Information

No data available

13. Disposal Considerations

Waste Disposal Method: Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

14. Transport Information

LAND TRANSPORT (US DOT): Limited Quantity – Used for 1 gallon containers when shipped in the United States of America

DOT Proper Shipping Name: UN1263, Paint Related Material, 3, PG III – 5 Gallon pails

Marine Transport IMDG Shipping: UN1263, Paint Related Material, 3, PG III

AIR TRANSPORT (ICAO/IATA)

IATA Shipping Name: UN1263, Paint Related Material, 3, PG III

15. Regulator 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)
Proprietary	Aromatic MDI Resin	No	Yes 5000 Lb.	Yes
64742-95-6	Aromatic Solvent	No	No	No
100-41-4	Ethylbenzene	No	Yes 1000 Lb.	Yes
1330-20-7	Xylene (mixed isomers)	No	Yes 100 Lb.	Yes

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

V.O.C.: 3.44 LBS/GL (413 GMS/L)

16. Other Information

Revision Date: 2/20/2023
Additional Information About this Product:

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

Health: 2*
Flammability: 3
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.