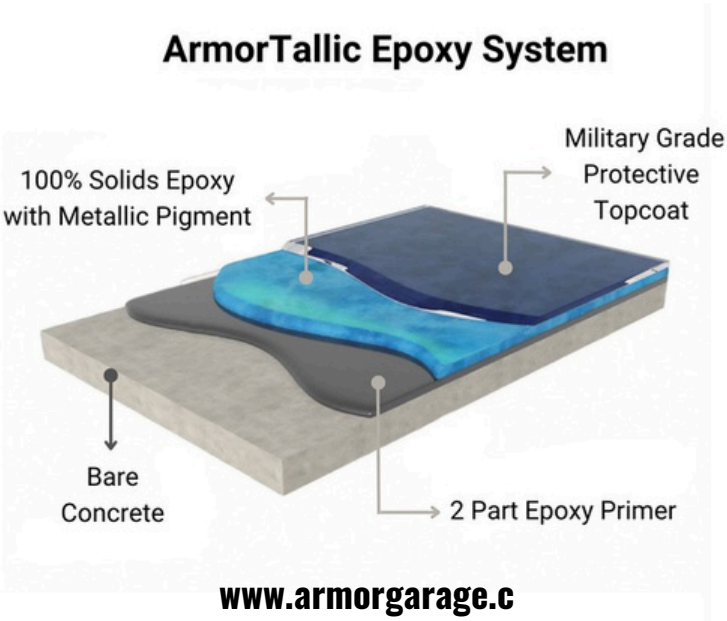
ArmorGarage Metallic Epoxy Floor Kits

SDS Information

- ArmorPoxy II 2-Part Epoxy Primer
- 100% Solids Epoxy Part A & Part B
- ArmorUltra 1-Part Military Topcoat



www.armorgarage.com
1260 North Ave
Plainfield, NJ 07062

SAFETY DATA SHEET

PRODUCT CODE: 015x

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ARM015x PART A
PRODUCT CODES: 015x A

MANUFACTURER: ArmorGarage LLC.
STREET ADDRESS: 1260 North Avenue
CITY, STATE, ZIP: Plainfield, NJ 07062

INFORMATION PHONE: (866-532-3979)
EMERGENCY PHONE: Chemtrec 800-424-9300
FAX PHONE: (973) 453-8114

PREPARED BY: ArmorGarage DATE REVISED: 6/16/24

Chemical Name or Class: Amine mixture

SECTION 2: HAZARDS IDENTIFICATION

Hazard Overview

GHS Classification:Skin corrosion/irritation category2, Serious eye irritation category 1, Specific target organ toxicity – single exposure category 3 Acute hazard to aquatic environment category 3
GHS Label Elements and Precautionary Statements:
Label Elements: Corrosion, Exclamation Mark

Hazard Statements:
Warning: Causes skin irritation
Danger: Causes serious eye damage
Warning: May cause drowsiness or dizziness
Harmful to aquatic life
Precautionary statements:
P102 Keep out of reach of children.
P103 Read label before use
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray P271 Use only outdoors or in a well-ventilated area.
Response:
P302 + P352 IF ON SKIN: wash with plenty of soap and water.
P333 + P313 IF SKIN irritation or rash occurs: Get medical advice/attention.
P362 + P364 take off contaminated clothing and wash it before reuse
P305 + P351 + P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 If in eyes, immediately call a POISON CENTER or doctor/physician.
P304 + P340 IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
Storage:
P405 Store locked up.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
Disposal:
P501 Dispose of contents/container to a waste disposal facility in accordance with local, state, federal or international laws
Other Non-classifiable potential hazards
Carcinogen category 1 and 2

HMIS HAZARD CLASSIFICATION
HEALTH:2 FLAMMIBILITY:1 REACTIVITY: 0 PERSONAL PROTECIVE EQUIPMENT:G

POTENTIAL HEALTH EFFECTS
EYES:
THIS MATERIAL CAN CAUSE EYE IRRITATION OR REDNESS. HIGH VAPOR CONCENTRATIONS CAN CAUSE SEVERE IRRITATION TO THE EYES.

SKIN:
IRRITATION TO THE SKIN CAN OCCUR BUT DERMAL TOXICITY IS LOW.
INGESTION:
INGESTION OF MATERIAL CAN CAUSE NAUSEA OR OTHER SIMILAR RESPONSES.
INHALATION:
HIGH CONCENTRATIONS OF VAPOR CAN CAUSE IRRITATION TO THE RESPIRATORY TRACT, NAUSEA, AND DIZZINESS.
HEALTH HAZARDS (ACUTE AND CHRONIC):
PROLONGED OR REPEATED EXPOSURE MAY CAUSE ASTHMA AND SKIN SENSITIZATION OR OTHER ALLERGIC RESPONSES.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
RESPIRATORY CONDITIONS OR OTHER ALLERGIC AILMENTS
CARCINOGENICITY
OSHA: NO
NTP: yes IARC: yes

ADDITIONAL CARCINOGENICITY INFORMATION:
Some colors may contain carbon black - Explanation Of Carcinogenicity: IARC MONOGRAPHS ON EVALUATION OF CARCINOGENIC RISK OF CHEMICALS TO MAN, VOL 65, PG 149, 1996: GROUP 2B. IARC has determined that crystalline silica inhaled in the form of quartz is carcinogenic to humans (Group 1- carcinogenic to humans). The NTP classifies respirable crystalline silica as reasonably anticipated to be a carcinogen. Titanium Dioxide is listed by IARC as possibly carcinogenic to humans (group 2B). Component CAS# 107-98-2 Has been reported to be toxic to fetus in laboratory animals. Component CAS# 8052-41-3: Epidemiology: Studies involving petroleum refinery workers indicate that persons with routine exposure to petroleum based constituents may be at an increased risk to the development of benign neoplasms, digestive tract cancer and skin cancer.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS NO.	OSHA PEL	ACGIH TLV	OSHA STEL	WEIGHT %
1,2 ETHANE DIAMINE, N-(2-AMINO ETHYL)	111-40-0	1 ppm	1 ppm	NONE	<1.0
TETRAETHYLENE PENTAMINE	112-57-2	NONE	NONE	NONE	<1.0
ETHYLENEDIAMINE	107-15-3	10 ppm	10 ppm	10 ppm	<1.0
PENTAETHYLENE HEXAMINE	4067-16-7	NONE	NONE	NONE	<1.0
Polymer of polymerized linseed oil, petaethylene hexamine, DGEBA-epichlorohydrin copoly, form, DETA and PGE	CAS# not available	NONE	NONE	NONE	10-30
WATER	7732-18-5	NONE	NONE	NONE	30-60
PROPYLENE GLYCOL MONOMETHYL ETHER	107-98-2	100 ppm	100 ppm	150 ppm	10-30
GLACIAL ACITIC ACID	64-19-7	10 ppm	10 ppm	15 ppm	0.1-1
STODDARD SOLVENT	8052-41-3	100ppm	100 ppm	NONE	0.1-1
2-ETHYL-1-HEXANOL	104-76-7	NONE	NONE	NONE	0.1-1
*GLYCOL ETHER 2-BUTOXYETHANOL	111-76-2	25 ppm	25 ppm	NONE	0.1-1
PROPIETARY ADDITIVE–	NJTSRN 80963-5170	NONE	NONE	NONE	0.1-1
Mica	12001-26-2	20mppcf	3mg/m3	NONE	1-5
Triethanolamine	102-71-6	NONE	5mg/m3	NONE	0.1-1
Colors may contain the following @ 10-30%:					
*ETHYLENE GLYCOL	107-21-1	50PPM	50PPM	50PPM	0.1-1
Aqueous colorantadditive	NJTSRN 56705700001-5043P	NONE	NONE	NONE	
Aqueous colorant additive	NJTSRN 56705700001-5032P	NONE	NONE	NONE	
Aqueous colorantadditive	NJTSRN 56705700001-5756P	NONE	NONE	NONE	
Aqueous colorant additive	NJTSRN 56705700001-5024P	NONE	NONE	NONE	
Aqueous colorantadditive	NJTSRN 56705700001-5023P	NONE	NONE	NONE	
Aqueous colorantadditive	NJTSRN 56705700001-5727P	NONE	NONE	NONE	
Aqueous colorant additive	NJTSRN 56705700001-5749P	NONE	NONE	NONE	
Diethylene Glycol	NJTSRN 56705700001-5579P	NONE	NONE	NONE	
Talc	111-46-6	10mg/m3	10mg/m3	NONE	0.1-1
*crystalline silica (as a component of talc)	14807-96-6	20mg/m3	20mg/m3	20mg/m3	0.1-1
Chlorite	14808-60-7	0.05	0.025	0.05	0.1-1
	71949-90-1	mg/m3	mg/m3	mg/m3	
*Chromium III oxide (green may contain up to 5%)		NONE 0.5 mg/m3	NONE 0.5 mg/m3	NONE	0.1-1
	1308-38-8	NONE	NONE	NONE	
Propylene g;ycol	57-55-6	NONE	NONE	NONE	
Aqueous colorant additive	NJTSRN 56705700001-6584P	NONE	NONE	NONE	
Aqueous colorantadditive	NJTSRN 56705700001-5030P	5mg/m3	15mg/m3	NONE	
Iron oxide	1332-37-2	400ppm	400ppm	10mg/m3	
Petroleum distillates	64741-88-4	5mg/m3	5mg/m3	10mg/m3	
Petroleum distillates	64741-89-5	NONE	NONE	NONE	
C.I. Pigment Yellow	51274-00-1	NONE	NONE	NONE	
Iron hydroxide oxide	20344-49-4	NONE	NONE	NONE	
Aqueous colorant additive	NJTSRN 56705700001-5747P				

isopropanol	67-63-0	400ppm		400ppm			
Barium Sulfate	7727-43-7	5mg/m3		10mg/m3		N O0 0NpEp m	
Tributyl Phosphate	126-73-8	5mg/m3	NONE	2.5mg/3	NONE		
Aqueous colorantadditive	NJTSRN 56705700001-5704P	NONE		NONE		NONE	
Aqueous colorant additive	NJTSRN 56705700001-5071P	NONE		NONE		NONE	
Aqueous colorant additive	NJTSRN 56705700001-5756P	NONE		NONE		NONE	
Chlorite	71949-90-1	NONE		NONE		NONE	
Aqueous colorant additive	NJTSRN 56705700001-6031P	NONE		NONE		NONE	
Aqueous colorant additive	NJTSRN 56705700001-6861P	NONE		NONE		NONE	
*CARBON	NJTSRN 56705700001-6584P	NONE		NONE		NONE	
Kaolin	1333-86-4	3.5PPM		3.4PPM		NONE	0.1-1
Titanium Dioxide	1332-58-7	15mg/m3		2mg/m3		NONE	
	13463-67-7	10mg/m3		10mg/m3		5mg/m3	

SECTION 2 NOTES: *Indicates toxic chemical(s) subject to reporting requirements of section 313 of Title III and of 40 CFR 372.
PROPYLENE GLYCOL MONOMETHYL ETHER CAS #107-98-2 (ACGIH) STEL= 150 PPM.
FOLLOW 311B (2) (A) 40 CRF 116, 117, GUIDELINES. FOLLOW TSCA 8 (A) 40 CFR 712, 47 FR 26992 GUIDELINES

Note:Ingredients listed without percentages, thepercentages are considered a trade secret.

SECTION 4: FIRST AID MEASURES

EYES:
IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE LIFTING UPPER AND LOWER LIDS. GET IMMEDIATE MEDICAL ASSISTANCE.
SKIN:
FLUSH SKIN WITH WATER FOR AT LEAST 15 MINUTES AND REMOVE ALL CONTAMINATED CLOTHING IMMEDIATELY. GET MEDICAL ATTENTION IF REDDENING OR SWELLING OCCURS.
INGESTION:
DO NOT INDUCE VOMITING. DILUTE BY GIVING WATER OR MILK TO DRINK IF VICTIM IS CONSCIOUS. GET MEDICAL ATTENTION IMMEDIATELY.
INHALATION:
REMOVE TO FRESH AIR IF EFFECTS PERSIST AND ADMINISTER OXYGEN IF NECESSARY.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, (% by volume) UPPER:N/A LOWER:N/A
FLASH POINT:200 +F
METHOD USED:
SETA FLASH
EXTINGUISHING MEDIA:
FOAM, ALCOHOL FOAM, CO2, WATER FOG
SPECIAL FIRE FIGHTING PROCEDURES:
TOXIC FUMES WILL BE EVOLVED WHEN THIS MATERIAL IS INVOLVED IN A FIRE. A SELF-CONTAINED BREATHING APPARATUS SHOULD BE AVAILABLE FOR FIRE FIGHTERS. COOL FIRE EXPOSED CONTAINERS WITH WATER.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
NONE KNOWN

SECTION 6: RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
AVOID CONTACT WITH MATERIAL. WEAR THE APPROPRIATE SAFETY EQUIPMENT. STOP SPILL AT SOURCE, DYKE AREA TO PREVENT SPREADING. PUMP LIQUID TO SALVAGE TANK. TAKE UP REMAINDER WITH CLAY OR OTHER ABSORBANT AND PLACE IN DISPOSAL CONTAINERS.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:
AVOID ALL SKIN CONTACT. AVOID BREATHING VAPORS. RESEAL PARTIALLY USED CONTAINERS. PROPERLY LABEL ALL CONTAINERS. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. OBSERVE CONDITIONS OF GOOD INDUSTRIAL HYGIENE AND SAFE WORKING PRACTICES.
OTHER PRECAUTIONS:
MIXED MATERIALS CONTAIN THE HAZARDS OF ALL THE COMPONENTS, THEREFORE, READ THE MSDS OF ALL COMPONENTS TO BECOME FAMILIAR WITH ALL HAZARDS PRIOR TO USING THIS PRODUCT.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION:
NIOSH APPROVED RESPIRATOR PROTECTION REQUIRED IN THE ABSENCE OF PROPER ENVIRONMENTAL CONTROLS.
VENTILATION :
AVOID BREATHING VAPORS, VENTILATION MUST BE SUFFICIENT TO CONTROL VAPORS.
PROTECTIVE GLOVES:
IMPERVIOUS GLOVES, NEOPRENE OR RUBBER.
EYE PROTECTION:
SPLASH PROOF GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT:
CLEAN BODY COVERING CLOTHING AS WELL AS APRON FOOTWEAR OR OTHER EQUIPMENT SHOULD BE USED AS DEEMED NECESSARY TO AVOID CONTACT WITH THE MATERIAL.
WORK HYGIENIC PRACTICES:
OBSERVE GENERAL GOOD HYGIENIC PRACTICES.

SEE SECTION THREE FOR OCCPATIONAL EXPOSURE LIMIT VALUES.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:LOW VISCOSITY LIQUID IN VARYINGCOLORS
BOILING POINT OR RANGE0F: 212
VAPOR DENSITY (AIR = 1):N/A
SPECIFIC GRAVITY (H2O = 1):1.2
EVAPORATION RATE:N/A
SOLUBILITY IN WATER:EMULSIFIABLE
Odor Threshhold:N/A
pH: N/A
Melting point/freezing point:N/A
Vapor Pressure:N/A
Auto Ignition Temperature:N/A
Partition Coefficient: n-octanol/water:N/A
Decomposition Temperature:N/A

SECTION 10: STABILITY AND REACTIVITY

STABILITY:
STABLE
CONDITIONS TO AVOID (STABILITY):
AVOID CONTACT WITH OPEN FLAMES AND ALL SOURCES OF IGNITIONS AND SPARKS.
INCOMPATIBILITY (MATERIAL TO AVOID):
AVOID CONTACT WITH STRONG OXIDIZING AGENTS, MINERAL ACIDS AND EPOXY RESINS IN UNCONTROLLED AMOUNTS.
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:
CO, CO2, NOX
HAZARDOUS POLYMERIZATION:
WILL NOT OCCUR

SECTION 11: TOXICOLOGICAL INFORMATION

No data for the product itself.
Component data:
Component CAS# 111-40-0 inhalation: LC50 (4hr) <0.3mg/l (rat); Skin: LD50 >5000 mg/kg(rabbit) Ingestion: LD50 2960 mg/kg (rat). Severe Eye irritation, Moderate skin irritation, May cause sensitization by skin contact.
Component Acetic Acid : Absorbed through the skin.Estimated 4 hr exposure Oral LD50 3310 mg/kg (rat), Estimated Dermal LD50 1060 mg/kg (rabbit), Vapor LC50 5620 mouse).Chronic effects on humans – Mutagenetic for mammalian somatic cells. Mutagenic for bacteria and yeast. May cause damage to kidneys, mucous membranes, skin, teeth. Corrosive by inhalation or skin contact, corrosive to eyes.
Component CAS# 107-98-2: Ingestion LD50 rat 4016 mg/kg,Dermal LD50 rabbit >2000 mg/kg, Inhalation LC50 6 hr Vapor, rat >25.8 mg/l. May cause eye or skin irritation. May effect Kidney or liver. Has been reported to be toxic to fetus in laboratory animals.
Component CAS# 8052-41-3:Draize test (rabbit) eye:500 mg/24hr – Moderate. Epidemiology: Studies involving petroleum refinery workers indicate that persons with routine exposure to petroleum based constituents may be at an increased risk to the development of benign neoplasms, digestive tract cancer and skin cancer.
Component Silicon dioxide: Inhalation and retentionof respirable crystalline silica can cause silicosis in several forms, chronic, accelerated or acute. Acute silicosis can occur with exposures to high concentrations of respirable crystalline silica over a very short time period, the symptoms of acute silicosis include progressive shortness of breath, fever, cough, and weight loss. Acute silicosis can be fatal. IARC concluded that there was sufficient evidence in humans for the carcinogenicity of crystalline silica in the form of quartz (Group 1). Exposure to respirable crystalline silica can also be associated with autoimmune disease, tuberculosis, kidney damage, non-malignant respiratory disease.

For further information, thr NIOSH Hazard Review- Occupational Effects of Occupational Exposure to Respirable Crystalline Silica published in April of 2002 should be reviewed. Component Ethylene Glycol CAS# 107-21-1:The humanoral lethal dose is approximately 1.6 g/kg. Ethylene glycol may aggravate existing kidnet disease or cause snsitization LD50 oral (rat) – 4000 mg/kg. Component C.I. Pigment yellow CAS# 51274-00-1: LD50 Oral (rat) >5000 mg/kg. LD50 Dermal (rabbit) = 10500 mg/kg. Ethylene glycol has been shown to cause dose related teratogenic effects in rats and mice when given by gavage at high concentrations. Component talc CAS# 14807-96-6:Carcinogenic effects– this component may contain crystalline silica dust can cause silicosis, a form of progressive pulmonary fibrosis. Inhalable crystalline silica is listed by IARC as a group I carcinogen (lung) based on sufficient evidence in occupationally exposed humans and sufficient evidence in animals. Crystalline Silica is also listed by the NTP as a known human carcinogen Component diethylene Glycol CAS# 111-46-6:Estimatedhuman oral lethal dose is 1.0 to 1.2 g/kg. LD50 Oral (rat) = 20760 mg/kg. LD50 Dermal (rabbit) = 13300 mg/kg. dirthylene glycol vapors have caused central nervous system effects in mice and rats, but no such effects have been documented in humans. Component NJTSRN 56705700001-5043P:LD50 oral (rat)= 3000 mg/kg. Acute dermal LD50 (rabbit) = 4400 mg/kg Component Chromium III oxide CAS# 1308-38-8:LD50Oral (rat) >5000 mg/kg. Component Propylene g;ycol CAS# 57-55-6:LD50 oral(rat) >2000 mg/kg. Acute Dermal LD50 (rabbit) >10000 mg/kg Component NJTSRN 56705700001-6584P:LD50 oral (rat)= 1300 mg/kg Component NJTSRN 56705700001-5024P:LD50 Oral (rat)= 1900 mg/kg. Dermal LD50 (rat) = 1110 mg/kg. Component NJTSRN 56705700001-5023:LD50 Oral (rat)= 1900 mg/kg. Dermal LD50 (rabbit) >10000 mg/kg Component NJTSRN 56705700001-5030P:.No data Component Petroleum distillates CAS# 64741-88-4:nodata Component Petroleum distillates CAS# 64741-89-5:nodata Component NJTSRN 56705700001-5747:LD50 Oral (rat)=.2000 mg/kg. Component NJTSRN 56705700001-5704:.No data Component NJTSRN 56705700001-5071P:.No data Component NJTSRN 56705700001-6031P:.No data Component NJTSRN 56705700001-6861P:LD50 Oral (rat)= 1836 mg/kg. moderate skin irritation. Component Titanium Dioxide: Inhalation 4 h LC50 >6.82 mg/l; Oral LD50 > 5000 mg/kg, rat; In February 2006, IARC listed titanium dioxide as possibly carcinogenic to humans Group 2B. Component Carbon: IARC lists carbon as a possiblehuman carcinogen Category 2B. LD50 – Intravenous, mouse = 440 mg/kg. Contains Proposition 65 Chemicals .Carbon: is listed on TSCA and DSL Canada Component CAS# 112-57-2:Toxicological Data on Ingredients:Tetraethylenepentamine: ORAL (LD50): Acute: 3990 mg/kg [Rat]. DERMAL (LD50): Acute: 0.66 mg/kg [Rabbit]. Very hazardous in case of skin contact (irritant), of ingestion, . Hazardous in case of skin contact (corrosive, sensitizer, permeator), of eye contact (corrosive), of inhalation (lung corrosive). Component Triethanolamine CAS# 102-71-6:LD50 Dermal(rat) = 2000 mg/kg. LD50 Oral (rabbit) >2000 mg/kg. LD50 Oral (rat) = 4190 mg/kg. Component may cause skin or eye irritation.

SECTION 12: ECOLOGICAL INFORMATION

No data for the product itself.

Component data:

Component Acetic Acid : Ecotoxicity in water(LC50)423 mg/l 24 hours [Fish (goldfish)] , 88 ppm 96 hours [Fish (fathead minnow)}, 75ppm 96 hours [Fish (bluegill sunfish] >100 ppm 96 hours [Daphnia]. BOD-5: 0.34-0.88 g/oxygen/g

Component CAS@ 107-98-2: Bioconcentration potentialis low (BCF less than 100). Potential for mobility in soil is high (KOC between 0 and 50). Material is readily biodegradable and is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/EL50/LL50 >100mg/l in the most sensitive species tested.. LC50 fathead minnow 96 hr 20800 mg/l, LC50 water flea 48 hr lethally 23300 mg/l, EbC50 green algae biomass growth inhibition 7 d >1000 mg/l. Toxicity to microorganisms IC50 activated sludge > 1000 mg/l

Component Silicon Dioxide: There is no data that suggeststhat crystalline silica is toxic to birds, fish, invertebrates, microorganisms or plants.

Component talc CAS# 14807-96-6:There is no data thatsuggests that crystalline silica is toxic to birds, fish, invertebrates, microorganisms or plants.

Component Titanium Dioxide: Pimephales promelas (fatheadminnow) < 1000 mg/l @ 96h LC50; Pseudokirchneriella subcapitate (green algae) 61 mg/l @ 72h EC50; Daphnia magna (water flea) > 1000 mg/l @ 48h EC50

Component CAS# 112-57-2:The products of degradationare less toxic than the product itself.

Component Triethanolamine CAS# 102-71-6:LC50/96hr/48hr/24hr= 450 – 1000 mg/l (bluegill/96hr); 11800 mg/l (fresh water fish/96hr); 1386 mg/l (daphnia Magna/24hr); 169mg/l (algae/96hr).

SECTION 13: WASTE DISPOSAL

WASTE DISPOSAL METHOD:

DISPOSE OF THE MATERIAL IN A WASTE DISPOSAL SITE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL LAWS.

SECTION 14: Transport Information

DOT:Not Regulated

IMO/IMDG: Not Regulated

SECTION 15: REGULATORY INFORMATION

No data for the product itself.
Component data:
Component CAS# 4067-16-7, 112-57-2, 111-40-0, 107-15-3 on TSCS List, OSHA hazard class – Irritant. Regulatory List: On TSCA, on EINECS, DSL, AICS, ENCS, ECL, SEPA, PICCS.
Component Acetic Acid: On the Right to Know list forRhode Island, Pennsylvania, Florida, Minnesota, Massachusetts, New Jersey, and California director's List of hazardous substances. Listed on TSCA. Listed on DSL Canada, European Inventory. EEC R-35 Causes severe burns.
Component CAS# 107-98-2; on the PA right to know list.Product is on the TSCA list and DSL Canada Component CAS# 111-76-2: Section 313 toxic Chemical.Section 311 hazard category – Chronic fire, On TSCA list. May contain trace components of benzene, toluene, ethylbenzene and NJTSRN 800963-5170 and contains chemicals known to the state of California to cause cancer and birth defects. All components on the DSL Canada Component CAS# 8052-41-3:Component is on the TSCAand Canada DSL lists. Component is on the Pennsylvania, California, New Jersey Massachusetts and Minnesota right to know lists. Component CAS# 12001-26-2: On TSCA list. DSL CanadaListed and is considered an uncontrolled product. Although not on the California Proposition 65 list, it may contain ppm quantities of materials regulated under California's safe drinking water and toxic enforcement act of 1986. such as Crystalline Silica (Silicon Dioxide) is on the TSCA list. NTP list as a known human carcinogen, California proposition 65 list as a known carcinogen, Massachusetts Toxic Use Reduction Act list as toxic, Pennsylvania Worker and community right to know Act list as a hazardous substance. Component Crystalline Silica(Silicon Dioxide) ison the Canada DSL – WHMIS Classification D2A Crystalline Silica is on the Australian Inventory of Chemicals Substances list, Japan Ministry of International Trade and Industry list, Korea Existing Chemicals Inventory with registry number 9212-5667 and the Philippines Inventory of Chemicals and Chemical Substances list. Component Ethylene Glycol CAS# 107-21-1:This componentis a listed as an air pollutant under the clean air act (112). This component is subject to reporting requirements of section 313 of title III of the superfund amendments and reauthorization act of 1986 and 40CFR part 372. This component is a CERCLA listed chemical. This Component is listed on the Canada DSL, TSCA, EINECS, AICS, TCCL, PICCS lists. Component NJTSRN 56705700001-5043P:This Componentis listed on the Canada DSL, TSCA, EINECS, AICS, TCCL, PICCS lists. Component NJTSRN 56705700001-5032P:This Componentis listed on the Canada DSL, TSCA, EINECS, AICS, TCCL, PICCS lists. Component diethylene Glycol CAS# 111-46-6:This Componentis listed on the Canada DSL, TSCA, EINECS, AICS, lists. Component talc CAS# 14807-96-6 may containCrystallineSilica (Silicon Dioxide) which is on the TSCA list. NTP list as a known human carcinogen, California proposition 65 list as a known carcinogen, Massachusetts Toxic Use Reduction Act list as toxic, Pennsylvania Worker and community right to know Act list as a hazardous substance. Component Chlorite CAS# 71949-90-1:This Componentis listed on the Canada DSL, TSCA, EINECS, AICS, TCCL, PICCS lists. Component NJTSRN 56705700001-5756P: This Componentis listed on the Canada DSL, TSCA, EINECS, AICS, TCCL, PICCS lists. Component NJTSRN 56705700001-6584P:This Componentis listed on the Canada DSL, TSCA, EINECS, AICS, TCCL, PICCS lists. Component NJTSRN 56705700001-5024P:This Componentis listed on the Canada DSL, TSCA, EINECS, AICS, lists. Component NJTSRN 56705700001-5023P:This Componentis listed on the Canada DSL, TSCA, EINECS, AICS, lists. Component NJTSRN 56705700001-5727P:This Componentis listed on the Canada DSL, TSCA, EINECS, AICS, lists. Component NJTSRN 56705700001-5749P:This Componentis listed on the Canada DSL, TSCA, EINECS, AICS, lists. Component NJTSRN 56705700001-5579P:This Componentis listed on the Canada DSL, TSCA, EINECS, AICS, lists. Component NJTSRN 56705700001-5030P:This Componentis listed on the Canada DSL, TSCA, lists. Compnent Iron Oxide CAS# 1332-37-2:This Componentis listed on the Canada DSL, TSCA, lists. Component Petroleum distillates CAS# 64741-88-4:ThisComponent is listed on the Canada DSL, TSCA, EINECS, AICS, lists. Component Petroleum distillates CAS# 64741-89-5:ThisComponent is listed on the Canada DSL, TSCA, EINECS, AICS, lists. Iron hydroxide oxide CAS# 20344-49-4:This Componentis listed on the Canada DSL, TSCA, EINECS, AICS, lists. Component NJTSRN 56705700001-5747:This Componentis listed on the Canada DSL, TSCA, EINECS, AICS, TCCL, PICCS lists. Component Tributyl phosphate CAS# 126-73-8:ThisComponent is listed on the Canada DSL, TSCA, EINECS, AICS, TCCL, PICCS lists. Component Barium Sulfate CAS# 7727-43-7: This Componentis listed on the Canada DSL, TSCA, EINECS, AICS,

Component isopropanol CAS# 67-63-0: This componentis on the TSCA and Canada DSL lists.
Component NJTSRN 56705700001-5578P:This Componentis listed on the Canada DSL, TSCA, EINECS, AICS, TCCL, PICCS lists.
Component NJTSRN 56705700001-5572P:This Componentis listed on the Canada DSL, TSCA, EINECS, AICS, TCCL, PICCS lists.
Component NJTSRN 56705700001-5653P:This Componentis listed on the Canada DSL, TSCA, EINECS, AICS, TCCL, PICCS lists.
Component NJTSRN 56705700001-5071P:This Componentis listed on the Canada DSL, TSCA, lists.
Component NJTSRN 56705700001-5704P:This Componentis listed on the Canada DSL, TSCA, lists.
Component NJTSRN 56705700001-5756P: This Componentis listed on the Canada DSL, TSCA, EINECS, AICS, TCCL, PICCS lists.
Component Chlorite CAS# 71949-90-1:This Componentis listed on the Canada DSL, TSCA, EINECS, AICS, TCCL, PICCS lists.
Component NJTSRN 56705700001-6031P:This Componentis listed on the Canada DSL, TSCA, lists.
Component NJTSRN 56705700001-6861P:This Componentis listed on the Canada DSL, TSCA, EINECS, AICS, TCCL, PICCS lists.
Component NJTSRN 56705700001-6584P:This Componentis listed on the Canada DSL, TSCA, EINECS, AICS, TCCL, PICCS lists.
Component Titanium Dioxide: Contains Proposition 65Chemicals, is on the PA Hazardous substance list, is on the NJ right to know Regulated chemical List. Titanium Dioxide is on inventory or in compliance with EINECS, TSCA, AICS, DSL, ENCS (JP), KECI (KR), PICCS (PH) and INV (CN.
Component Kaolin CAS# 1332-58-7:This Component islisted on the Canada DSL, TSCA, EINECS, AICS, TCCL, PICCS lists.
Component CAS# 12001-26-2: On TSCA list. DSL CanadaListed and is considered an uncontrolled product. Although not on the California Proposition 65 list, it may contain ppm quantities of materials regulated under California's safe drinking water and toxic enforcement act of 1986 such as Crystalline Silica (Silicon Dioxide) is on the TSCA list. NTP list as a known human carcinogen, California proposition 65 list as a known carcinogen, Massachusetts Toxic Use Reduction Act list as toxic, Pennsylvania Worker and community right to know Act list as a hazardous substance.

Component CAS# 112-57-2: is on Pennsylvania RTK:Massachusetts RTK: New Jersey: Harmful in contact with skin and if swallowed. Causes burns. May cause sensitization by skin contact.

Component Triethanolamine CAS# 102-71-6Componentis on the TSCA, Canada DSL, EINECS, ESCS, KECL, HSNO, NECSI, AICS and ENCS lists.

SECTION 16: OTHER INFORMATION

DISCLAIMER:THE INFORMATION CONTAINED HEREIN IS BASEDON THE DATA AVAILABLE AND IS BELIEVED TO BE ACCURATE, HOWEVER, THE MANUFACTURER MAKES NO WARRANTY EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA OR THE RESULTS OBTAINED FROM THE USE THEREOF. ACCORDINGLY, WE ASSUME NO RESPONSIBILITY FOR INJURY FROM THE USE OF THIS PRODUCT.

N/A = Not Available

See Section 1 for date of preparation

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:ARM015x Part B
PRODUCT CODES:015x B
MANUFACTURER: ArmorGarage LLC.
STREET ADDRESS: 1260 North Avenue
CITY, STATE, ZIP: Plainfield, NJ 07062

INFORMATION PHONE: (866-532-3979)
EMERGENCY PHONE: Chemtrec 800-424-9300
FAX PHONE: (973) 453-8114

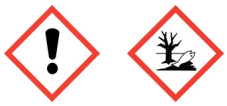
PREPARED BY: ArmorGarage LLC. DATE REVISED:

6/16/ 24 Chemical Name or Class: Epoxy mixture

SECTION 2: HAZARDS IDENTIFICATION

Hazard Overview

GHS Classification: Serious eye damage/Eye irritationcategory 2A,Skin irritation category 2, skin sensitizercategory 1, Long term hazards to aquatic environment Category 2
GHS Label Elements and Precautionary Statements:
Label Elements: Exclamation Mark, Aquatic Toxicity



Hazard Statements:
Warning: Causes serious eye irritation.
Warning: Causes skin irritation
Warning: May cause an allergic skin reaction
Toxic to aquatic life with long lasting effects
Precautionary statements:
P102 Keep out of reach of children.
P103 Read label before use
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
Response
P302 + P352 IF ON SKIN: wash with plenty of soap and water.
P333 + P313 IF SKIN irritation or rash occurs: Get medical advice/attention.
P362 + P364 take off contaminated clothing and wash it before reuse.
P305 + P351 + P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 IF eye irritation persists: Get medical advice/attention.
P391 Collect spillage.
P501 Dispose of contents/container to a waste disposal facility in accordance with local, state, federal or international laws

HMIS HAZARD CLASSIFICATION
HEALTH: 2 FLAMMABILITY: 1 REACTIVITY: 0 PERSONAL PROTECTIVE EQUIPMENT:B

POTENTIAL HEALTH EFFECTS

EYES:
MAY CAUSE IRRITATION BUT NO CORNEAL INJURY IS LIKELY.
SKIN:
MAY CAUSE IRRITATION OR ALLERGIC SKIN RESPONSE.
INGESTION:
THIS MATERIAL HAS A PROBABLE LOW ACUTE ORAL TOXICITY.
INHALATION:
NO GUIDE FOR CONTROL KNOWN, HOWEVER, EXPOSURE TO HEATED VAPORS CAN CAUSE IRRITATION TO THE NOSE, THROAT OR MUCOUS MEMBRANES.
HEALTH HAZARDS (ACUTE AND CHRONIC):
EPOXY RESINS CAN CAUSE SENSITIZATION BY EXPOSURE THROUGH CONTACT OR HIGH CONCENTRATIONS OF VAPOR. EYES: INJURY IS UNLIKELY BUT STAIN FOR EVIDENCE OF CORNEAL INJURY.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
RESPIRATORY INGREDIENTS OF THIS PRODUCT ARE REGULATED AS CARCINOGENS.
CARCINOGENICITY

OSHA: NO NTP: NO IARC: NO
ADDITIONAL CARCINOGENICITY INFORMATION:

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS NO.	OSHA PEL	ACGIH TLV	OSHA STEL	WEIGHT %
MODIFIED DIGLYCIDYL ETHER OF BISPHENOL A	25068-38-6	NONE	NONE	NONE	60-100
ALKYL GLYCIDYL ETHER	68609-97-2	NONE	NONE	NONE	10-30

SECTION 3 NOTES:
No toxic chemical(s) subject to the reporting requirements of section 313 Title III and of 40 CFR 372 are present.
Note:Ingredients listed without percentages, thepercentages are considered a trade secret.

SECTION 4: FIRST AID MEASURES

EYES:
FLUSH EYES WITH WATER FOR AT LEAST FIFTEEN MINUTES AND CONSULT A PHYSICIAN.
SKIN:
SKIN CONTACT WILL NORMALLY CAUSE NO MORE THAN IRRITATION BUT WASH AFFECTED AREA WITH SOAP AND WATER AND REMOVE CONTAMINATED CLOTHING PROMPTLY.
INGESTION:
LOW IN TOXICITY, INDUCE VOMITING ONLY IF LARGE AMOUNTS OF MATERIAL ARE INGESTED, AND OTHERWISE DO NOT INDUCE VOMITING. IN EITHER CASE IMMEDIATELY CONSULT A PHYSICIAN.
INHALATION:
REMOVE VICTIM TO FRESH AIR AND ADMINISTER OXYGEN IF NECESSARY.
NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, (% by volume) UPPER:not available LOWER:not available
FLASH POINT: 200+F
METHOD USED:
SETA FLASH
EXTINGUISHING MEDIA:
FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG
SPECIAL FIRE FIGHTING PROCEDURES:
DO NOT ENTER CONFINED FIRE AREA WITHOUT FULL BUNKER GEAR INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL ALL FIRE EXPOSED CONTAINERS WITH WATER.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
NO UNUSUAL FIRE HAZARDS KNOWN.

SECTION 6: RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
WEAR RESPIRATOR AND PROTECTIVE CLOTHING, SHUT OFF THE SOURCE AT THE LEAK. REMOVE EXCESS WITH VACUUM TRUCK AND TAKE UP THE REMAINDER WITH AN ABSORBENT SUCH AS CLAY AND PLACE IN DISPOSAL CONTAINERS. FLUSH AREA WITH WATER TO REMOVE RESIDUE.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: STORE IN A COOL DRY PLACE. SEAL ALL PARTIALLY USED CONTAINERS. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. MIXED MATERIALS CONTAIN THE HAZARDS OF ALL THE COMPONENTS, THEREFORE, READ THE MSDS'S OF ALL THE COMPONENTS PRIOR TO USING MATERIAL. PROPERLY LABEL ALL CONTAINERS. OTHER PRECAUTIONS: AVOID ALL SKIN CONTACT. AVOID BREATHING VAPORS GENERATED FROM THE MATERIAL. OBSERVE CONDITIONS OF GOOD GENERAL HYGIENE AND SAFE WORKING PRACTICES. CONTAMINATED LEATHER ARTICLES CAN NOT BE CLEANED AND MUST BE DISCARDED IF CONTAMINATED WITH THIS PRODUCT. WASH ALL CONTAMINATED CLOTHING PRIOR TO THE REUSE THEREOF.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION:

USE A NIOSH APPROVED RESPIRATOR AS REQUIRED TO PREVENT OVER EXPOSURE TO VAPOR IN ACCORDANCE WITH 29 CFR 1910.134. GENERAL EXHAUST IS USUALLY SUFFICIENT IN LIEU OF NIOSH RESPIRATOR.

VENTILATION:

GENERAL EXHAUST IS USUALLY SUFFICIENT TO CONTROL VAPORS AND EXPOSURE HAZARDS.

PROTECTIVE GLOVES:

IMPERVIOUS GLOVES – NEOPRENE OR RUBBER

EYE PROTECTION:

SPLASH GOGGLES OR GLASSES WITH SIDE SHIELDS.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

WEAR BODY COVERING CLOTHING AND OTHER COVERINGS AS NECESSARY SUCH AS APRON AND APPROPRIATE FOOTWEAR TO AVOID CONTACT WITH MATERIAL.

WORK HYGIENIC PRACTICES:

OBSERVE GOOD GENERAL HYGIENIC PRACTICES.

SEE SECTION THREE FOR OCCPATIONAL EXPOSURE LIMIT VALUES.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR:LOW VISCOSITY LIQUID – AMBERCLEAR or COLORS
BOILING POINT OR RANGE: 200+ F
VAPOR DENSITY (AIR = 1):Not available
SPECIFIC GRAVITY (H2O = 1): 1.1
EVAPORATION RATE:not available
SOLUBILITY IN WATER:NEGLIGIBLE

Odor Threshhold:N/A

pH: N/A
Melting point/freezing point:N/A
Vapor Pressure:N/A
Auto Ignition Temperature:N/A
Partition Coefficient: n-octanol/water:N/A
Decomposition Temperature:N/A

SECTION 10: STABILITY AND REACTIVITY

STABILITY:

STABLE

CONDITIONS TO AVOID (STABILITY):

AVOID EXCESSIVE HEAT OR OPEN FLAMES

INCOMPATIBILITY (MATERIAL TO AVOID):

CAN REACT VIGOROUSLY WITH STRONG OXIDIZING AGENTS AND STRONG LEWIS ACIDS OR MINERAL ACIDS.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

CO2, ALDEHYDES, ACIDS. REACTION WITH SOME CURING AGENTS CAN GENERATE LARGE AMOUNTS OF HEAT.

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR.

SECTION 11: TOXICOLOGICAL INFORMATION

No data for the product itself.

Component data:

Component CAS# 25068-38-6: Moderate sensitizer, slighteye irritant, moderate skin irritant, Oral LD50 >5000 mg/kg (rat), Dermal LD50 >6000 mg/kg (rabbit)

Component CAS# 68609-97-2 possible sensitizer, eye and skin irritant, Oral LD50 >10000 mg/kg (rat), Inhalation LD50 – no microscopic changes

SECTION 12: ECOLOGICAL INFORMATION

No data for the product itself.
Component data:
Component CAS# 25068-38-6 Biodegradability (ModifiedSturm Method) 12%, Fish toxicity: Rainbow trout (96hr) LC50 1.5mg/l, Zebra Fish (96hr) LC50 2.4 mg/l. Invertebrate Toxicity: Daphnia Toxicity (24hr) EC 50 3.6 mg/l

SECTION 13: WASTE DISPOSAL

WASTE DISPOSAL METHOD:
DISPOSE OF THE MATERIAL IN A WASTE DISPOSAL SITE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL LAW.

SECTION 14: Transport Information

DOT:Not Regulated

IMO/IMDG:UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCES,LIQUID, N.O.S. (CONTAINS Bisphenol A Diglycidyl Ether Polymer) , 9, PGIII, MARINE POLLUTANT

SECTION 15: REGULATORY INFORMATION

No data for the product itself.
Component data:
Component CAS# 25068-38-6 Considered a hazardouschemical; is on the TSCA list; is on the DSL Canada, WHMIS class D2B; Is on the New Jersey Right to Know list,; is on the PA Right to Know List;
Component CAS# 68609-97-2:Considered a hazardouschemical; is on the TSCA list; is on the DSL Canada, Is on the New Jersey Right to Know list; is on the PA Right to Know List.
EPA SARA Title III Section 313 components above the de minimus level: none

SECTION 16: OTHER INFORMATION

DISCLAIMER:The information Contained herein is basedon the data available and is believed to be accurate, However, the manufacturer makes no warranty expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Accordingly, we assume no responsibility for injury from the use of this product.

N/A = Not Available
See Section 1 for date of preparation

SAFETY DATA SHEET

PRODUCT CODE: 015x

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ARM**015**x **PART A Clear**
PRODUCT CODES: 015x **A Clear**

MANUFACTURER: ArmorGarage LLC**.**
STREET ADDRESS: 1260 North **Avenue**
CITY, STATE, ZIP: Plainfield**,** NJ 07062

INFORMATION PHONE: 866-532-3979
EMERGENCY PHONE: **Chemtrec 800-424-9300**
FAX PHONE: (973) 453-8114

PREPARED BY: ArmorGarage LLC.

DATE REVISED: **6/16/24**

Chemical Name or Class: **Amine mixture**

SECTION 2: HAZARDS IDENTIFICATION

Hazard Overview

GHS Classification: **Skin corrosion/irritation category 2, Serious eye irritation category 1, Specific target organ toxicity – single exposure category 3 Acute hazard to aquatic environment category 3**
GHS Label Elements and Precautionary Statements:
Label Elements: Corrosion, Exclamation Mark

Hazard Statements:
Warning: Causes skin irritation
Danger: Causes serious eye damage
Warning: May cause drowsiness or dizziness
Harmful to aquatic life
Precautionary statements:
P102 Keep out of reach of children.
P103 Read label before use
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray P271 Use only outdoors or in a well-ventilated area.
Response:
P302 + P352 IF ON SKIN: wash with plenty of soap and water.
P333 + P313 IF SKIN irritation or rash occurs: Get medical advice/attention.
P362 + P364 take off contaminated clothing and wash it before reuse
P305 + P351 + P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 If in eyes, immediately call a POISON CENTER or doctor/physician.
P304 + P340 IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
Storage:

P405 Store locked up.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
Disposal:
P501 Dispose of contents/container to a waste disposal facility in accordance with local, state, federal or international laws

HMIS HAZARD CLASSIFICATION

HEALTH: 2 **FLAMMIBILITY: 1** **REACTIVITY: 0** **PERSONAL PROTECIVE EQUIPMENT: G**

POTENTIAL HEALTH EFFECTS

EYES:
THIS MATERIAL CAN CAUSE EYE IRRITATION OR REDNESS. HIGH VAPOR CONCENTRATIONS CAN CAUSE SEVERE IRRITATION TO THE EYES.
SKIN:
IRRITATION TO THE SKIN CAN OCCUR BUT DERMAL TOXICITY IS LOW.
INGESTION:
INGESTION OF MATERIAL CAN CAUSE NAUSEA OR OTHER SIMILAR RESPONSES.
INHALATION:
HIGH CONCENTRATIONS OF VAPOR CAN CAUSE IRRITATION TO THE RESPIRATORY TRACT, NAUSEA, AND DIZZINESS.

HEALTH HAZARDS (ACUTE AND CHRONIC):
PROLONGED OR REPEATED EXPOSURE MAY CAUSE ASTHMA AND SKIN SENSITIZATION OR OTHER ALLERGIC RESPONSES.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
RESPIRATORY CONDITIONS OR OTHER ALLERGIC AILMENTS
CARCINOGENICITY
OSHA: NO

NTP: NO **IARC: NO**

ADDITIONAL CARCINOGENICITY INFORMATION:
Component Acetic Acid: Chronic effects on humans – Mutagenetic for mammalian somatic cells. Mutagenic for bacteria and yeast. **Component CAS# 107-98-2**: Has been reported to be toxic to fetus in laboratory animals.**Component CAS# 8052-41-3:** Epidemiology: Studies involving petroleum refinery workers indicate that persons with routine exposure to petroleum based constituents may be at an increased risk to the development of benign neoplasms, digestive tract cancer and skin cancer.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS NO.	OSHA PEL	ACGIH TLV	OSHA STEL	WEIGHT %
1,2 ETHANE DIAMINE, N-(2-AMINO ETHYL)	111-40-0	1 ppm	1 ppm	NONE	<1.0
TETRAETHYLENE PENTAMINE	112-57-2	NONE	NONE	NONE	<1.0
ETHYLENEDIAMINE	107-15-3	10 ppm	10 ppm	10 ppm	<1.0
PENTAETHYLENE HEXAMINE	4067-16-7	NONE	NONE	NONE	<1.0
Polymer of polymerized linseed oil, petaethylene hexamine, DGEBA-epichlorohydrin copoly, form, DETA and PGE	CAS# not available	NONE	NONE	NONE	10-
WATER	7732-18-5	NONE	NONE	NONE	30
PROPYLENE GLYCOL MONOMETHYL ETHER	107-98-2	100 ppm	100 ppm	150 ppm	30-
GLACIAL ACITIC ACID	64-19-7	10 ppm	10 ppm	15 ppm	60
STODDARD SOLVENT	8052-41-3	100ppm	100 ppm	NONE	10-
2-ETHYL-1-HEXANOL	104-76-7	NONE	NONE	NONE	30
*GLYCOL ETHER 2-BUTOXYETHANOL	111-76-2	25 ppm	25 ppm	NONE	0.1-1
Propylene g;ycol	57-55-6	NONE	NONE	NONE	0.1-1
Propylene Glycol Monomethyl Ether	107-98-2	100PPM	100PPM	150PPM	0.1-1
1-Methoxy-2-Propanol Acetate	108-65-6	NONE	NONE	NONE	0.1-1
					0.1-1
					0.1-1
					0.1-1

SECTION 3 NOTES: *Indicates toxic chemical(s) subject to reporting requirements of section 313 of Title III and of 40 CFR 372.
PROPYLENE GLYCOL MONOMETHYL ETHER CAS #107-98-2 (ACGIH) STEL= 150 PPM.
Note: Ingredients listed without percentages, the percentages are considered a trade secret.

SECTION 4: FIRST AID MEASURES

EYES:
IMMEDIATELY FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE LIFTING UPPER AND LOWER LIDS. GET IMMEDIATE MEDICAL ASSISTANCE.
SKIN:
FLUSH SKIN WITH WATER FOR AT LEAST 15 MINUTES AND REMOVE ALL CONTAMINATED CLOTHING IMMEDIATELY. GET MEDICAL ATTENTION IF REDDENING OR SWELLING OCCURS.
INGESTION:
DO NOT INDUCE VOMITING. DILUTE BY GIVING WATER OR MILK TO DRINK IF VICTIM IS CONSCIOUS. GET MEDICAL ATTENTION IMMEDIATELY.
INHALATION:
REMOVE TO FRESH AIR IF EFFECTS PERSIST AND ADMINISTER OXYGEN IF NECESSARY.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, (% by volume) **UPPER: N/A** **LOWER: N/A**
FLASH POINT: 200 +F
METHOD USED:
SETA FLASH
EXTINGUISHING MEDIA:
FOAM, ALCOHOL FOAM, CO2, WATER FOG
SPECIAL FIRE FIGHTING PROCEDURES:
TOXIC FUMES WILL BE EVOLVED WHEN THIS MATERIAL IS INVOLVED IN A FIRE. A SELF-CONTAINED BREATHING APPARATUS SHOULD BE AVAILABLE FOR FIRE FIGHTERS. COOL FIRE EXPOSED CONTAINERS WITH WATER.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
NONE KNOWN

SECTION 6: RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

AVOID CONTACT WITH MATERIAL. WEAR THE APPROPRIATE SAFETY EQUIPMENT. STOP SPILL AT SOURCE, DYKE AREA TO PREVENT SPREADING. PUMP LIQUID TO SALVAGE TANK. TAKE UP REMAINDER WITH CLAY OR OTHER ABSORBANT AND PLACE IN DISPOSAL CONTAINERS.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

AVOID ALL SKIN CONTACT. AVOID BREATHING VAPORS. RESEAL PARTIALLY USED CONTAINERS. PROPERLY LABEL ALL CONTAINERS. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. OBSERVE CONDITIONS OF GOOD INDUSTRIAL HYGIENE AND SAFE WORKING PRACTICES.

OTHER PRECAUTIONS:

MIXED MATERIALS CONTAIN THE HAZARDS OF ALL THE COMPONENTS, THEREFORE, READ THE MSDS OF ALL COMPONENTS TO BECOME FAMILIAR WITH ALL HAZARDS PRIOR TO USING THIS PRODUCT.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION:

NIOSH APPROVED RESPIRATOR PROTECTION REQUIRED IN THE ABSENCE OF PROPER ENVIRONMENTAL CONTROLS.

VENTILATION :

AVOID BREATHING VAPORS, VENTILATION MUST BE SUFFICIENT TO CONTROL VAPORS.

PROTECTIVE GLOVES:

IMPERVIOUS GLOVES, NEOPRENE OR RUBBER.

EYE PROTECTION:

SPLASH PROOF GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

CLEAN BODY COVERING CLOTHING AS WELL AS APRON FOOTWEAR OR OTHER EQUIPMENT SHOULD BE USED AS DEEMED NECESSARY TO AVOID CONTACT WITH THE MATERIAL.

WORK HYGIENIC PRACTICES:

OBSERVE GENERAL GOOD HYGIENIC PRACTICES.

SEE SECTION THREE FOR OCCPATIONAL EXPOSURE LIMIT VALUES.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: LOW VISCOSITY LIQUID – amber clear
BOILING POINT OR RANGE 0 F: 212
VAPOR DENSITY (AIR = 1): N/A
SPECIFIC GRAVITY (H2O = 1): 1.0
EVAPORATION RATE: N/A
SOLUBILITY IN WATER: EMULSIFIABLE
Odor Threshhold: N/A
pH: N/A
Melting point/freezing point: N/A
Vapor Pressure: N/A
Auto Ignition Temperature: N/A
Partition Coefficient: n-octanol/water: N/A
Decomposition Temperature: N/A

SECTION 10: STABILITY AND REACTIVITY

STABILITY:

STABLE

CONDITIONS TO AVOID (STABILITY):

AVOID CONTACT WITH OPEN FLAMES AND ALL SOURCES OF IGNITIONS AND SPARKS.

INCOMPATIBILITY (MATERIAL TO AVOID):

AVOID CONTACT WITH STRONG OXIDIZING AGENTS, MINERAL ACIDS AND EPOXY RESINS IN UNCONTROLLED AMOUNTS.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

CO, CO2, NOX

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR

SECTION 11: TOXICOLOGICAL INFORMATION

No data for the product itself.
Component data:
Component CAS# 57-55-6: Ingestion LD50 = 20000 mg/kg
Component CAS# 107-98-2: Ingestion LD50 >5900 mg/kg
Component CAS# 108-65-6: ingestion LD50 = 8532
Component CAS# 8052-41-3: Draize test (rabbit) eye: 500 mg/24hr – Moderate. Epidemiology: Studies involving petroleum refinery workers indicate that persons with routine exposure to petroleum based constituents may be at an increased risk to the development of benign neoplasms, digestive tract cancer and skin cancer.
Component CAS# 111-40-0: inhalation: LC50 (4hr) <0.3 mg/l (rat); Skin: LD50 >5000 mg/kg(rabbit) Ingestion: LD50 2960 mg/kg (rat). Severe Eye irritation, Moderate skin irritation, May cause sensitization by skin contact.
Component Acetic Acid: Absorbed through the skin. Estimated 4 hr exposure Oral LD50 3310 mg/kg (rat), Estimated Dermal LD50 1060 mg/kg (rabbit), Vapor LC50 5620 mouse).Chronic effects on humans – Mutagenetic for mammalian somatic cells. Mutagenic for bacteria and yeast. May cause damage to kidneys, mucous membranes, skin, teeth. Corrosive by inhalation or skin contact, corrosive to eyes.
Component CAS# 107-98-2: Ingestion LD50 rat 4016 mg/kg, Dermal LD50 rabbit >2000 mg/kg, Inhalation LC50 6 hr Vapor, rat >25.8 mg/l. May cause eye or skin irritation. May effect Kidney or liver. Has been reported to be toxic to fetus in laboratory animals.
Component CAS# 112-57-2: Toxicological Data on Ingredients: Tetraethylenepentamine: ORAL (LD50): Acute: 3990 mg/kg [Rat]. DERMAL (LD50): Acute: 0.66 mg/kg [Rabbit]. Very hazardous in case of skin contact (irritant), of ingestion, . Hazardous in case of skin contact (corrosive, sensitizer, permeator), of eye contact (corrosive), of inhalation (lung corrosive).

SECTION 12: ECOLOGICAL INFORMATION

No data for the product itself.
Component data:
Component Acetic Acid: Ecotoxicity in water(LC50) 423 mg/l 24 hours [Fish (goldfish)] , 88 ppm 96 hours [Fish (fathead minnow)}, 75ppm 96 hours [Fish (bluegill sunfish] >100 ppm 96 hours [Daphnia]. BOD-5: 0.34-0.88 g/oxygen/g
Component CAS@ 107-98-2: Bioconcentration potential is low (BCF less than 100). Potential for mobility in soil is high (KOC between 0 and 50). Material is readily biodegradable and is practically non-toxic to aquatic organisms on an acute basis (LC50/EC50/EL50/LL50 >100mg/l in the most sensitive species tested.. LC50 fathead minnow 96 hr 20800 mg/l, LC50 water flea 48 hr lethally 23300 mg/l, EbC50 green algae biomass growth inhibition 7 d >1000 mg/l. Toxicity to microorganisms IC50 activated sludge > 1000 mg/l
Component CAS# 112-57-2: The products of degradation are less toxic than the product itself.

SECTION 13: WASTE DISPOSAL

WASTE DISPOSAL METHOD:
DISPOSE OF THE MATERIAL IN A WASTE DISPOSAL SITE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL LAWS.

SECTION 14: Transport Information

DOT: Not Regulated

IMO/IMDG: Not Regulated

SECTION 15: REGULATORY INFORMATION

No data for the product itself.
Component data:
Component CAS# 57-55-6: Listed on TSCA and DSL
Component CAS# 107-98-2: Listed on TSCA and DSL
Component CAS# 108-65-6: Listed on TSCA and DSL
Component CAS# 111-76-2: Section 313 toxic Chemical. Section 311 hazard category – Chronic fire, On TSCA list. May contain trace components of benzene, toluene, ethylbenzene and NJTSRN 800963-5170 and contains chemicals known to the state of California to cause cancer and birth defects. All components on the DSL Canada
Component CAS# 8052-41-3: Component is on the TSCA and Canada DSL lists. Component is on the Pennsylvania, California, New Jersey Massachusetts and Minnesota right to know lists.
Component CAS# 4067-16-7, 112-57-2, 111-40-0, 107-15-3 on TSCS List, OSHA hazard class – Irritant. Regulatory List: On TSCA, on EINECS, DSL, AICS, ENCS, ECL, SEPA, PICCS.
Component Acetic Acid: On the Right to Know list for Rhode Island, Pennsylvania, Florida, Minnesota, Massachusetts, New Jersey, and California director's List of hazardous substances. Listed on TSCA. Listed on DSL Canada, European Inventory. EEC R-35 Causes severe burns.
Component CAS# 107-98-2; on the PA right to know list. Product is on the TSCA list and DSL Canada
Component CAS# 112-57-2: is on Pennsylvania RTK:Massachusetts RTK: New Jersey: Harmful in contact with skin and if swallowed. Causes burns. May cause sensitization by skin contact.

SECTION 16: OTHER INFORMATION

DISCLAIMER: THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE AND IS BELIEVED TO BE ACCURATE, HOWEVER, THE MANUFACTURER MAKES NO WARRANTY EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THIS DATA

OR THE RESULTS OBTAINED FROM THE USE THEREOF. ACCORDINGLY, WE ASSUME NO RESPONSIBILITY FOR INJURY FROM THE USE OF THIS PRODUCT.

N/A = Not Available
See Section 1 for date of preparation

SAFETY DATA SHEET

PRODUCT CODE: 015x

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ARM**015**x Pa**rt B Clear**
PRODUCT CODES: 015x **B Clear**
MANUFACTURER: ArmorGarage LLC**.**
STREET ADDRESS: 1260 North Avenue
CITY, STATE, ZIP: Plainfield, NJ 07062

INFORMATION PHONE: 866-532-3979
EMERGENCY PHONE: **Chemtrec 800-424-9300**
FAX PHONE: (973) 453-8114

PREPARED BY: ArmorGarage LLC.
DATE REVISED: **6/16/24**
Chemical Name or Class: **Epoxy mixture**

SECTION 2: HAZARDS IDENTIFICATION

Hazard Overview

GHS Classification: Serious eye damage/Eye irritation category 2A, **Skin irritation category 2, skin sensitizer category 1, Long term hazards to aquatic environment Category 2**
GHS Label Elements and Precautionary Statements:
Label Elements: Exclamation Mark, Aquatic Toxicity

Hazard Statements:
Warning: Causes serious eye irritation.
Warning: Causes skin irritation
Warning: May cause an allergic skin reaction
Toxic to aquatic life with long lasting effects
Precautionary statements:
P102 Keep out of reach of children.
P103 Read label before use
P264 Wash hands thoroughly after handling.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P272 Contaminated work clothing should not be allowed out of the workplace.
P273 Avoid release to the environment.
Response
P302 + P352 IF ON SKIN: wash with plenty of soap and water.
P333 + P313 IF SKIN irritation or rash occurs: Get medical advice/attention.
P362 + P364 take off contaminated clothing and wash it before reuse.
P305 + P351 + P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 IF eye irritation persists: Get medical advice/attention.
P391 Collect spillage.
P501 Dispose of contents/container to a waste disposal facility in accordance with local, state, federal or international laws

HMIS HAZARD CLASSIFICATION

HEALTH: 2 **FLAMMABILITY: 1** **REACTIVITY: 0** **PERSONAL PROTECTIVE EQUIPMENT: B**

POTENTIAL HEALTH EFFECTS

EYES:
MAY CAUSE IRRITATION BUT NO CORNEAL INJURY IS LIKELY.
SKIN:
MAY CAUSE IRRITATION OR ALLERGIC SKIN RESPONSE.
INGESTION:
THIS MATERIAL HAS A PROBABLE LOW ACUTE ORAL TOXICITY.
INHALATION:
NO GUIDE FOR CONTROL KNOWN, HOWEVER, EXPOSURE TO HEATED VAPORS CAN CAUSE IRRITATION TO THE NOSE, THROAT OR MUCOUS MEMBRANES.
HEALTH HAZARDS (ACUTE AND CHRONIC):
EPOXY RESINS CAN CAUSE SENSITIZATION BY EXPOSURE THROUGH CONTACT OR HIGH CONCENTRATIONS OF VAPOR.
EYES: INJURY IS UNLIKELY BUT STAIN FOR EVIDENCE OF CORNEAL INJURY.
MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
RESPIRATORY INGREDIENTS OF THIS PRODUCT ARE REGULATED AS CARCINOGENS.

CARCINOGENICITY

OSHA: NO NTP: NO IARC: NO

ADDITIONAL CARCINOGENICITY INFORMATION:

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	CAS NO.	OSHA PEL	ACGIH TLV	OSHA STEL	WEIGHT %
MODIFIED DIGLYCIDYL ETHER OF BISPHENOL A	25068-38-6	NONE	NONE	NONE	60-100
ALKYL GLYCIDYL ETHER	68609-97-2	NONE	NONE	NONE	10-30

SECTION 3 NOTES:

*****No toxic chemical(s) subject to the reporting requirements of section 313 Title III and of 40 CFR 372 are present.*****

Note: Ingredients listed without percentages, the percentages are considered a trade secret.

SECTION 4: FIRST AID MEASURES

EYES:

FLUSH EYES WITH WATER FOR AT LEAST FIFTEEN MINUTES AND CONSULT A PHYSICIAN.

SKIN:

SKIN CONTACT WILL NORMALLY CAUSE NO MORE THAN IRRITATION BUT WASH AFFECTED AREA WITH SOAP AND WATER AND REMOVE CONTAMINATED CLOTHING PROMPTLY.

INGESTION:

LOW IN TOXICITY, INDUCE VOMITING ONLY IF LARGE AMOUNTS OF MATERIAL ARE INGESTED, AND OTHERWISE DO NOT INDUCE VOMITING. IN EITHER CASE IMMEDIATELY CONSULT A PHYSICIAN.

INHALATION:

REMOVE VICTIM TO FRESH AIR AND ADMINISTER OXYGEN IF NECESSARY.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, (% by volume) **UPPER: not available** **LOWER: not available**

FLASH POINT: 200+F

METHOD USED:

SETA FLASH

EXTINGUISHING MEDIA:

FOAM, ALCOHOL FOAM, CO2, DRY CHEMICAL, WATER FOG

SPECIAL FIRE FIGHTING PROCEDURES:

DO NOT ENTER CONFINED FIRE AREA WITHOUT FULL BUNKER GEAR INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL ALL FIRE EXPOSED CONTAINERS WITH WATER.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

NO UNUSUAL FIRE HAZARDS KNOWN.

SECTION 6: RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

WEAR RESPIRATOR AND PROTECTIVE CLOTHING, SHUT OFF THE SOURCE AT THE LEAK. REMOVE EXCESS WITH VACUUM TRUCK AND TAKE UP THE REMAINDER WITH AN ABSORBENT SUCH AS CLAY AND PLACE IN DISPOSAL CONTAINERS. FLUSH AREA WITH WATER TO REMOVE RESIDUE.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

STORE IN A COOL DRY PLACE. SEAL ALL PARTIALLY USED CONTAINERS. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES. MIXED MATERIALS CONTAIN THE HAZARDS OF ALL THE COMPONENTS, THEREFORE, READ THE MSDS'S OF ALL THE COMPONENTS PRIOR TO USING MATERIAL. PROPERLY LABEL ALL CONTAINERS.

OTHER PRECAUTIONS:

AVOID ALL SKIN CONTACT. AVOID BREATHING VAPORS GENERATED FROM THE MATERIAL. OBSERVE CONDITIONS OF GOOD GENERAL HYGIENE AND SAFE WORKING PRACTICES. CONTAMINATED LEATHER ARTICLES CAN NOT BE CLEANED AND MUST BE DISCARDED IF CONTAMINATED WITH THIS PRODUCT. WASH ALL CONTAMINATED CLOTHING PRIOR TO THE REUSE THEREOF.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION:

USE A NIOSH APPROVED RESPIRATOR AS REQUIRED TO PREVENT OVER EXPOSURE TO VAPOR IN ACCORDANCE WITH 29 CFR 1910.134. GENERAL EXHAUST IS USUALLY SUFFICIENT IN LIEU OF NIOSH RESPIRATOR.

VENTILATION:
GENERAL EXHAUST IS USUALLY SUFFICIENT TO CONTROL VAPORS AND EXPOSURE HAZARDS.

PROTECTIVE GLOVES:
IMPERVIOUS GLOVES – NEOPRENE OR RUBBER

EYE PROTECTION:
SPLASH GOGGLES OR GLASSES WITH SIDE SHIELDS.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:
WEAR BODY COVERING CLOTHING AND OTHER COVERINGS AS NECESSARY SUCH AS APRON AND APPROPRIATE FOOTWEAR TO AVOID CONTACT WITH MATERIAL.

WORK HYGIENIC PRACTICES:
OBSERVE GOOD GENERAL HYGIENIC PRACTICES.

SEE SECTION THREE FOR OCCPATIONAL EXPOSURE LIMIT VALUES.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: **LOW VISCOSITY LIQUID – AMBER CLEAR or COLORS**

BOILING POINT OR RANGE: **200+ F**

VAPOR DENSITY (AIR = 1): **Not available**

SPECIFIC GRAVITY (H2O = 1): **1.1**

EVAPORATION RATE: **not available**

SOLUBILITY IN WATER: **NEGLIGIBLE**

Odor Threshhold: **N/A**

pH: **N/A**

Melting point/freezing point: **N/A**

Vapor Pressure: **N/A**

Auto Ignition Temperature: **N/A**

Partition Coefficient: n-octanol/water: **N/A**

Decomposition Temperature: **N/A**

SECTION 10: STABILITY AND REACTIVITY

STABILITY:
STABLE

CONDITIONS TO AVOID (STABILITY):
AVOID EXCESSIVE HEAT OR OPEN FLAMES

INCOMPATIBILITY (MATERIAL TO AVOID):
CAN REACT VIGOROUSLY WITH STRONG OXIDIZING AGENTS AND STRONG LEWIS ACIDS OR MINERAL ACIDS.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:
CO2, ALDEHYDES, ACIDS. REACTION WITH SOME CURING AGENTS CAN GENERATE LARGE AMOUNTS OF HEAT.

HAZARDOUS POLYMERIZATION:
WILL NOT OCCUR.

SECTION 11: TOXICOLOGICAL INFORMATION

No data for the product itself.

Component data:

Component CAS# 25068-38-6: Moderate sensitizer, slight eye irritant, moderate skin irritant, Oral LD50 >5000 mg/kg (rat), Dermal LD50 >6000 mg/kg (rabbit)

Component CAS# 68609-97-2: possible sensitizer, eye and skin irritant, Oral LD50 >10000 mg/kg (rat), Inhalation LD50 – no microscopic changes

SECTION 12: ECOLOGICAL INFORMATION

No data for the product itself.

Component data:

Component CAS# 25068-38-6: Biodegradability (Modified Sturm Method) 12%, Fish toxicity: Rainbow trout (96hr) LC50 1.5mg/l, Zebra Fish (96hr) LC50 2.4 mg/l. Invertebrate Toxicity: Daphnia Toxicity (24hr) EC 50 3.6 mg/l

SECTION 13: WASTE DISPOSAL

WASTE DISPOSAL METHOD:
DISPOSE OF THE MATERIAL IN A WASTE DISPOSAL SITE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL LAW.

SECTION 14: Transport Information

DOT: Not Regulated

IMO/IMDG: UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (CONTAINS Bisphenol A Diglycidyl Ether Polymer) , 9, PGIII, MARINE POLLUTANT

SECTION 15: REGULATORY INFORMATION

No data for the product itself.
Component data:
Component CAS# 25068-38-6: Considered a hazardous chemical; is on the TSCA list; is on the DSL Canada, WHMIS class D2B; Is on the New Jersey Right to Know list,; is on the PA Right to Know List;
Component CAS# 68609-97-2: Considered a hazardous chemical; is on the TSCA list; is on the DSL Canada, Is on the New Jersey Right to Know list; is on the PA Right to Know List.
EPA SARA Title III Section 313 components above the de minimus level: none

SECTION 16: OTHER INFORMATION

DISCLAIMER: The information Contained herein is based on the data available and is believed to be accurate, However, the manufacturer makes no warranty expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Accordingly, we assume no responsibility for injury from the use of this product.

N/A = Not Available
See Section 1 for date of preparation

SAFETY DATA SHEET (SDS)

Section 1. Identification

Product identifier	ARM707X-CM A
Other means of identification	ARM707X-CM A
Recommended use and restrictions on use	Floor Coating
Initial supplier identifier	ArmorGarage LLC. 1260 North Avenue, Plainfield, NJ 07062 info@armorgarage.com T: 866-532-3979
Emergency telephone number/restriction on use	Chemtrec 24 hour number 800-424-9300

Section 2. Hazard identification

Classification of hazardous product (name of the category or subcategory of the hazard class)

Skin irritation (Category 2)
Sensitization – Skin (Category 1)
Eye irritation (Category 2A)
Hazardous to the aquatic environment – Acute & Chronic (Category 2)

Information elements(symbols, signal words, hazard statements and precautionary statements of the category/subcategory)

Warning
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H401 Toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P264 Wash hands/nails/face thoroughly after handling. P272 Contaminated work clothing should not be allowed out of the workplace. P280 Wear gloves/protective clothing/eye protection/face protection. P302+P352 IF ON SKIN, Wash with plenty of water for several minutes. P333 + P313 IF SKIN irritation or rash occurs: Get medical attention. P362+P364 Take off contaminated clothing and wash it before reuse. P305 + P351 + P338 IF IN EYES, Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 If eye irritation persists: Get medical attention. P273 Avoid release to the environment. P391 Collect spillage. P501 Dispose of contents/container into safe container in accordance with local, regional or national regulations.

Other hazards known	None

Section 3. Composition/information on ingredients

Chemical name (common name/synonyms)	CAS number or other	Concentration (%)
Reaction product: bisphenol-A-(epichlorhydrin) epoxy resin	25085-99-8	60-100
Alkyl glycidyl ether	68609-97-2	< 10
Benzyl alcohol	100-51-6	< 10

* Statement - This safety data sheet provides concentration range(s) instead of the actual concentration(s) considered trade secret(s).

Section 4. First-aid measures

Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.
Ingestion	IF SWALLOWED: Immediately call a doctor. DO NOT INDUCE VOMITING. NEVER give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Rinse mouth thoroughly with water. Have victim drink two glasses of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.
Skin contact	IF ON SKIN: wash with plenty of water. (15-20 minutes) IF SKIN irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.
Eye contact	IF IN EYES, Rinse cautiously with water for several minutes (15-20). Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Most important symptoms and effects (acute or delayed)	Causes skin irritation.
Indication of immediate medical attention/special treatment	In all cases, call a doctor. Do not forget this document.

Section 5. Fire-fighting measures

Specific hazards of the hazardous product (hazardous combustion products)

Carbon oxides and other irritant/toxic gases and fumes.

Suitable and unsuitable extinguishing media

In case of fire: Use carbon dioxide, chemical powder agent and appropriate foam to extinguish surrounding products.

Special protective equipment and precautions for fire-fighters

During a fire, irritating/toxic smoke and fumes may be generated. Do not enter fire area without proper protection. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece. Shield personnel to protect from venting, rupturing or bursting cans. Move containers from fire area if it can be done without risk. Water spray may be useful in cooling equipment and cans exposed to heat and flame.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate protective equipment (See Section 8).

Methods and materials for containment and cleaning up

Ventilate area of release. Stop the leak if it can be done safely. Contain and absorb any spilled liquid concentrate with inert absorbent material, then place material into a container for later disposal (see Section 13). Contaminated absorbent material may pose the same hazards as the spilled product. Notify the appropriate authorities as required.

Section 7. Handling and storage

Precautions for safe handling

Wear gloves/protective clothing/eye protection/face protection.
Before handling, it is very important that engineering controls are operating, and that protective equipment requirements and personal hygiene measures are being followed. People working with this chemical should be properly trained regarding its hazards and its safe use. Inspect containers for leaks before handling. Label containers appropriately. Ensure proper ventilation. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with eyes, skin and clothing. Keep away from heat, sparks and flame. Avoid generating high concentrations of dusts, vapours or mists. Keep away from incompatible materials (Section 10). Keep containers closed when not in use. Empty containers are always dangerous. Refer also to Section 8.

Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up. Store away from incompatible materials (Section 10). Inspect all incoming containers to make sure they are properly labelled and not damaged. Storage area should be clearly identified, clear of obstruction and accessible only to trained personnel. Inspect periodically for damage or leaks.

Section 8. Exposure controls/Personal protection

Control parameters (biological limit values or exposure limit values and source of those values)

Exposure limits: Dust – PEL-TWA 15 mg/m3 (total dust) & 5 mg/m3 (respirable fraction);

Appropriate engineering controls Use under well-ventilated conditions. Local exhaust ventilation system is recommended

tomaintainconcentrations of contaminants below exposure

limits. Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.
Individual protection measures/personal protective equipment

Respiratory protection is required if the concentrations are higher than the exposure limits. Use a NIOSH approved respirators if the exposure limits
are unknown. Chemically protective gloves (impervious), and other protective clothing to prevent prolonged or repeated skin contact, must be worn
during all handling operations. Wear protective chemical splash goggles to prevent mists from entering the eyes. Wash hands/nails/face thoroughly
after handling. Do not eat, drink or smoke when using this product. Practice good personal hygiene after using this material. Remove and wash contaminated work clothing before re-use.

Section 9. Physical and chemical properties

Appearance, physical state/colour	Characteristic Liquid		Not available
pH	Not available	Solubility	Insoluble
Melting/freezing point	Not available	Partition coefficient - n-octanol/water	Not available
Initial boiling point/range	Not available	Auto-ignition temperature	Not available
Flash point	> 93oC	Decomposition temperature	Not available
Evaporation rate	Not available	Odour threshold	
Flammability (solids and gases)	Not available	Viscosity	Not available
Upper and lower flammability/explosive limits	Not available	VOC	Not available
Odour		Vapour pressure	
		Other	None known
Vapour density			
Relative density			1.12

Section 10. Stability and reactivity

Reactivity

Does not react under the recommended storage and handling conditions prescribed.

Chemical stability

Stable under the recommended storage and handling conditions prescribed.

Possibility of hazardous reactions

None known

Conditions to avoid (static discharge, shock or vibration)

None known

Incompatible materials

Oxidizing materials; etc.

Hazardous decomposition products

None known

Section 11. Toxicological information

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics

Skin irritation, redness, stinging, pain; Eye irritation, redness, tearing;

Delayed and immediate effects (chronic effects from short-term and long-term exposure)

Skin Sensitization – Possible; Respiratory Sensitization – No data available; Germ Cell Mutagenicity – No data available; Carcinogenicity – No ingredient listed by IARC, ACGIH, NTP or OSHA; Reproductive Toxicity – No data available; Specific Target Organ Toxicity — Single Exposure – No data available; Specific Target Organ Toxicity — Repeated Exposure – No data available; Aspiration Hazard – No data available; Health Hazards Not Otherwise Classified – No data available

Section 12. Ecological information

Numerical measures of toxicity (ATE; LD50 & LC50)	No data available for the product
Ecotoxicity (aquatic and terrestrial information)	
CAS 100-51-6 LD50, Oral - Rat 1360 mg/kg;	
Persistence and degradability	
ATE not available in this document	No data available
Bioaccumulative potential	
Mobility in soil	No data available
No data available	
Other adverse effects	Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Section 13. Disposal considerations

Information on safe handling for disposal/methods of disposal/contaminated packaging

Dispose of contents/container into safe container in accordance with local, regional or national regulations.

Section 14. Transport information

UN number; Proper shipping name; Class(es);	Special precautions (transport/conveyance)
NOT REGULATED	Environmental hazards (IMDG or other)
Packing group (PG) of the TDG Regulations	Bulk transport (usually more than 450 L in capacity)

UN number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime)

UN3082; ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epichlorhydrin); Class 9; PG III;

UN number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air)

Section 15. Regulatory information

Possible	
UN3082; ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (epichlorhydrin); Class 9; PG III;	
Safety/health Canadian regulations specifics	Refer to Section 2 for the appropriate classification. This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).
Environmental Canadian regulations specifics	Refer to Section 3 for ingredient(s) of the DSL

Safety/health/environmental outside regulations specifics

United States OSHA information: This product is regulated according to OSHA (29 CFR).

United States EPA (Environmental Protection Agency) information: 40 CFR Refer to the ingredients listed in Section 3 & Sections 12; 13 & 14.
United States TCSA information: Refer to the ingredients listed in Section 3.

May also be shipped as a LIMITED QUANTITY in accordance with TDG.
MARINE POLLUTANT

Section 16. Other information

Date of the latest revision of the safety data sheet	June 16 2024 version 3 (NSS ENTREPRISE INC.)
Corrections	Complete review
References	Safety Data Sheets from manufacturer/supplier & from Canadian Centre for Occupational Health and Safety, CCOHS.
Abbreviations	
ACGIH	American Conference of Governmental Industrial Hygienists
ATE	Acute toxicity estimate
CAS	Chemical Abstract Service
DSL	Domestic Substance List
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
LC	Lethal concentration
LD	Lethal Dosage
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
STEL	Short-term Exposure Limit
TDG	Transport of dangerous goods in Canada
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
WHMIS	Workplace Hazardous Materials Information System

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

SAFETY DATA SHEET (SDS)

Section 1. Identification

Product identifier	ARM707X-CM B
Other means of identification	ARM707X-CM B
Recommended use and restrictions on use	Floor Coating
Initial supplier identifier	ArmorGarage LLC.; 1260 North Avenue, Plainfield, NJ 07062 info@armorgarage.com T:866-532-3979
Emergency telephone number/restriction on use	Chemtrec 24 hour number 800-424-9300

Section 2. Hazard identification

Classification of hazardous product (name of the category or subcategory of the hazard class)

Acute toxicity oral (Category 4)
Skin corrosion (Category 1)
Serious eye damage (Category 1)
Skin sensitization (Category 1)
Specific target organ toxicity – Single exposure (Category 3)
Reproductive toxicity (Category 1)
Hazardous to the aquatic environment – Acute & Chronic (Category 1)

Information elements(symbols, signal words, hazard statements and precautionary statements of the category/subcategory)

Danger
H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.
H360 May damage fertility or the unborn child.
H362 May cause harm to breast-fed children.
H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long lasting effects.
P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P260 Do not breathe dusts or mists. P263 Avoid contact during pregnancy and while nursing. P264 Wash hands/nails/face thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P271 Use only outdoors or in a well-ventilated area. P272 Contaminated work clothing should not be allowed out of the workplace. P273 Avoid release to the environment. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. P312 Call a doctor if you feel unwell. P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. P363 Wash contaminated clothing before reuse. P332 + P313 IF SKIN irritation or rash occurs: Get medical attention. P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P310 Immediately call a doctor. P308 + P313 IF exposed or concerned: Get medical attention. P391 Collect spillage. P403 + P233 Store in a well-ventilated place. Keep container tightly closed. P405 Store locked up. P501 Dispose of contents/container into safe container in accordance with local, regional or national regulations.

Other hazards known	None

Section 3. Composition/information on ingredients

Chemical name (common name/synonyms)	CAS number or other	Concentration (%)
Epoxy adduct	---	10-30
Benzyl alcohol	100-51-6	< 10
Isophorone diamine	2855-13-2	10-30
Nonylphenol	84852-15-3	10-30
Polyoxypropylene diamine	9046-10-0	30-60

* Statement - This safety data sheet provides concentration range(s) instead of the actual concentration(s) considered trade secret(s).

Section 4. First-aid measures

Inhalation	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.
Ingestion	IF SWALLOWED: Immediately call a doctor. DO NOT INDUCE VOMITING. NEVER give anything by mouth if victim is rapidly losing consciousness, or is unconscious or convulsing. Rinse mouth thoroughly with water. Have victim drink two glasses of water. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.
Skin contact	IF ON SKIN: wash with plenty of water. (15-20 minutes) IF SKIN irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.
Eye contact	IF IN EYES, Rinse cautiously with water for several minutes (15-20). Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Most important symptoms and effects (acute or delayed)	Causes severe skin burns and eye damage.
Indication of immediate medical attention/special treatment	In all cases, call a doctor. Do not forget this document.

Section 5. Fire-fighting measures

Specific hazards of the hazardous product (hazardous combustion products)

Carbon oxides and other irritant/toxic gases and fumes.

Suitable and unsuitable extinguishing media

In case of fire: Use carbon dioxide, chemical powder agent and appropriate foam to extinguish surrounding products.

Special protective equipment and precautions for fire-fighters

During a fire, irritating/toxic smoke and fumes may be generated. Do not enter fire area without proper protection. All Firefighters should wear proper protective equipment, and self-contained breathing apparatus with full facepiece. Shield personnel to protect from venting, rupturing or bursting cans. Move containers from fire area if it can be done without risk. Water spray may be useful in cooling equipment and cans exposed to heat and flame.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Restrict access to area until completion of clean-up. Ensure clean-up is conducted by trained personnel only. All persons dealing with clean-up should wear the appropriate protective equipment (See Section 8).

Methods and materials for containment and cleaning up

Ventilate area of release. Stop the leak if it can be done safely. Contain and absorb any spilled liquid concentrate with inert absorbent material, then
place material into a container for later disposal (see Section 13). Contaminated absorbent material may pose the same hazards as the spilled product.
Notify the appropriate authorities as required.

Section 7. Handling and storage

Precautions for safe handling

Wear gloves/protective clothing/eye protection/face protection.
Before handling, it is very important that engineering controls are operating, and that protective equipment requirements and personal hygiene measures are being followed. People working with this chemical should be properly trained regarding its hazards and its safe use. Inspect containers for leaks before handling. Label containers appropriately. Ensure proper ventilation. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with eyes, skin and clothing. Keep away from heat, sparks and flame. Avoid generating high concentrations of dusts, vapours or mists. Keep away from incompatible materials (Section 10). Keep containers closed when not in use. Empty containers are always dangerous. Refer also to Section 8.

Conditions for safe storage, including any incompatibilities

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up. Store away from incompatible materials (Section 10). Inspect all incoming containers to make sure they are properly labelled and not damaged. Storage area should be clearly identified, clear of obstruction and accessible only to trained personnel. Inspect periodically for damage or leaks.

Section 8. Exposure controls/Personal protection

Control parameters (biological limit values or exposure limit values and source of those values)

Exposure limits: Dust – PEL-TWA 15 mg/m^3(total dust) & 5 mg/m^3(respirable fraction);

Appropriate engineering controls

Use under well-ventilated conditions. Local exhaust ventilation system is recommended to maintain concentrations of contaminants below exposure limits. Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Individual protection measures/personal protective equipment

Respiratory protection is required if the concentrations are higher than the exposure limits. Use a NIOSH approved respirators if the exposure limits are unknown. Chemically protective gloves (impervious), and other protective clothing to prevent prolonged or repeated skin contact, must be worn during all handling operations. Wear protective chemical splash goggles to prevent mists from entering the eyes. Wash hands/nails/face thoroughly after handling. Do not eat, drink or smoke when using this product. Practice good personal hygiene after using this material. Remove and wash contaminated work clothing before re-use.

Section 9. Physical and chemical properties

Appearance, physical state/colour	Liquid, clear	Vapour pressure	Not available
Odour	Characteristic	Vapour density	Not available
Odour threshold	Not available	Relative density	0.955
pH	Not available	Solubility	Not available
Melting/freezing point	Not available	Partition coefficient - n-octanol/water	Not available
Initial boiling point/range	Not available	Auto-ignition temperature	Not available
Flash point	> 93°C	Decomposition temperature	Not available
Evaporation rate	Not available	Viscosity	Not available
Flammability (solids and gases)	Not available	VOC	Not available
Upper and lower flammability/explosive limits	Not available	Other	None known

Section 10. Stability and reactivity

Reactivity

Does not react under the recommended storage and handling conditions prescribed.

Chemical stability

Stable under the recommended storage and handling conditions prescribed.

Possibility of hazardous reactions

None known

Conditions to avoid (static discharge, shock or vibration)

None known

Incompatible materials

Oxidizing materials; Acids; etc.

Hazardous decomposition products

None known

Section 11. Toxicological information

Information on the likely routes of exposure (inhalation, ingestion, skin and eye contact)

Harmful if swallowed. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause respiratory irritation. May damage fertility or the unborn child. May cause harm to breast-fed children.

Symptoms related to the physical, chemical and toxicological characteristics

Skin burn, redness, stinging, pain; Eye burn, redness, tearing; Digestive tract burn; Respiratory tract burn, coughing, shortness of breath, dizziness,
drowsiness, nausea and headaches.

Delayed and immediate effects (chronic effects from short-term and long-term exposure)

Skin Sensitization – Possible; Respiratory Sensitization – No data available; Germ Cell Mutagenicity – No data available; Carcinogenicity – No ingredient listed by IARC, ACGIH, NTP or OSHA; Reproductive Toxicity – Possible; Specific Target Organ Toxicity — Single Exposure – Possible; Specific Target Organ Toxicity — Repeated Exposure – No data available; Aspiration Hazard – No data available; Health Hazards Not Otherwise Classified – No data available.

Numerical measures of toxicity (ATE; LD50 & LC50)

CAS 9046-10-0 LD50, Oral- Rat - 2885.3 mg/kg; LC50, Inhalation - Rat - 8h > 0.74 mg/l; LD50, Dermal- Rabbit - 2980 mg/kg; CAS 2855-13-2 LD50,
Oral - Rat 1030 mg/kg; CAS 84852-15-3 LD50 Oral - Rat – 1246 mg/kg & LD50 Dermal - Rabbit – 2040 mg/kg; CAS 100-51-6 LD50, Oral - Rat 1360 mg/kg;
ATE not available in this document

Section 12. Ecological information

Ecotoxicity (aquatic and terrestrial information)	No data available for the product
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Other adverse effects	Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

Section 13. Disposal considerations

Information on safe handling for disposal/methods of disposal/contaminated packaging

Dispose of contents/container into safe container in accordance with local, regional or national regulations.

Section 14. Transport information

UN number; Proper shipping name; Class(es); Packing group (PG) of the TDG Regulations

UN3267; CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Isophorone diamine; Nonylphenol); CLASS 8; PG III

UN number; Proper shipping name; Class(es); Packing group (PG) of the IMDG (maritime)

UN3267; CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Isophorone diamine; Nonylphenol); CLASS 8; PG III

UN number; Proper shipping name; Class(es); Packing group (PG) of the IATA (air)

UN3267; CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Isophorone diamine; Nonylphenol); CLASS 8; PG III

Special precautions (transport/conveyance)

Possible

Environmental hazards (IMDG or other)

Bulk transport (usually more than 450 L in capacity)

May also be shipped as a LIMITED QUANTITY in accordance with TDG.
MARINE POLLUTANT

Section 15. Regulatory information

Safety/health Canadian regulations specifics Environmental Canadian regulations specifics	Refer to Section 2 for the appropriate classification. This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR).
Safety/health/environmental outside regulations specifics	Refer to Section 3 for ingredient(s) of the DSL

United States OSHA information: This product is regulated according to OSHA (29 CFR).
United States EPA (Environmental Protection Agency) information: 40 CFR Refer to the ingredients listed in Section 3 & Sections 12; 13 & 14.
United States TCSA information: Refer to the ingredients listed in Section 3.

Section 16. Other information

Date of the latest revision of the safety data sheet	June 16 2024 version 3 (NSS ENTREPRISE INC.)
Corrections	Complete review
References	Safety Data Sheets from manufacturer/supplier & from Canadian Centre for Occupational Health and Safety, CCOHS.
Abbreviations	

ACGIH	American Conference of Governmental Industrial Hygienists
ATE	Acute toxicity estimate
CAS	Chemical Abstract Service
DSL	Domestic Substance List
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
LC	Lethal concentration
LD	Lethal Dosage
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
STEL	Short-term Exposure Limit
TDG	Transport of dangerous goods in Canada
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
WHMIS	Workplace Hazardous Materials Information System

SAFETY DATA SHEET
ArmorUltra 1-Part Military Grade Urethane

1. ProductandCompanyIdentification

Product Code: AMR356-192X ArmorUltra 1-Part Military
Product Name: Grade Urethane ArmorGarage LLC. 1260
Company Name: North Ave Plainfield, NJ 07062 Emergencies
Involving Spills, Leaks Fires, Exposures, or
Accidents CHEMTREC: (800) 424-9300

Phone Number: 866-532-3979

Emergency Contact:

2. HazardsIdentification

Serious Eye Damage/Eye Irritation, Category 2A
Respiratory Sensitization, Category 1
Flammable Liquids, Category 3
Target Organ Systemic Toxicity (single exposure), Category 3
Acute Toxicity: Skin, Category 4
Skin Corrosion/Irritation, Category 2
Acute Toxicity: Inhalation, Category 4

GHS Signal Word: Danger

GHS Hazard Phrases:
H226 - Flammable liquid and vapor.
H312 - Harmful in contact with skin.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H332 - Harmful if inhaled.
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 - May cause respiratory irritation.

GHS Precaution Phrases:
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P233 - Keep container tightly closed.
P241 - Use explosion-proof electrical/ventilating/lighting equipment.
P242 - Use only non-sparking tools.
P260 – Do not breathe dust/fume/gas/mist/vapors/spray.
P264 - Wash hands thoroughly after handling.
P271-Useonlyoutdoorsorinawell-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P285 - In case of inadequate ventilation wear respiratory 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.

GHS Storage and Disposal Phrases:

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.
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:

Material is irritating to mucous membranes and upper respiratory tract. Harmful if inhaled. 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. Prolonged and/or repeated contact may cause irritation and/or dermatitis.

Eye Contact:

Causes eye irritation. Causes redness and pain.

Ingestion:

May be harmful if swallowed. May be harmful if inhaled. 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/InformationonIngredients

CAS#	Hazardous Components (Chemical Name)	Concentration
Proprietary	Poly(hexamethylene diisocyanate)	60.0 – 70.0%
123-86-4	Butyl acetate	10.0 – 20.0%
1330-20-7	Xylene (mixed isomers)	5.0 – 15.0%
64742-95-6	Aromatic Solvent	1.0 – 10.0%
108-65-6	Propylene glycol methyl ether acetate	1.0 – 5.0%
100-41-4	Ethylbenzene	0.1 – 3.0%

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.

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. FireFightingMeasures

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 of water. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

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 Measures

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

7. HandlingandStorage

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#	PartialChemicalName	OSHATWA	ACGIH TWA
Proprietary	Poly(hexamethylenediisocyanate)	N/A	N/A
123-86-4	Butylacetate	PEL:150ppm	TLV:150ppm STEL: 200ppm
1330-20-7	Xylene(mixedisomers)	PEL:100ppm	TLV:100ppm STEL: 150ppm
100-41-4	Ethylbenzene	PEL:100ppm	TLV:100ppm STEL: 125ppm
64742-95-6	AromaticSolvent	PEL:100ppm	TLV:100ppm STEL: 150ppm
108-65-6	PropyleneGlycolMethyl	N/E	N/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.
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 general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.
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	[X] Liquid	[ ] Solid
Flash Point:	80°F		
Boiling Point:	300°F		
Explosive Limits:	LEL: 1.0	UEL: 7.5	
Weight Per Gallon:	8.7 +/- .3		
Vapor Pressure (mm Hg):	8.4 @ 68°F		
Vapor Density:	Heavier than Air		
Evaporation Rate:	Slower than Ether		
Percent Volatile:	38 (VOL)		

10. StabilityandReactivity

Stability:	Unstable [ ]	Stable [X]
Conditions to Avoid - Instability:	Heat, flames and sparks:	

Incompatibility – Materials To Avoid:	Bases, Strong oxidizing agents.
Hazardous Decomposition Or Byproducts:	Nature of decomposition products unknown.
Possibility of Hazardous Reactions:	Willoccur[ ] Willnotoccur[X]

11. Toxicological Information

Toxicological Information:	Other information on acute toxicity. No data available. Respiratory or skin sensitization: Germ cell mutagenicity. Reproductive toxicity - no data available. Teratogenicity: No data available. Specific target organ toxicity -single exposure (Globally Harmonized System) Specific target organ toxicity – repeated exposure (Globally Harmonized System) Aspiration hazard. Epidemiology: No information found. Teratogenicity: Exposure to n-butyl acetate vapors throughout gestation did not cause significant teratogenicity inrabbits,rats,or mice. Reproductive Effects: Mutagenicity: Neurotoxicity: Other Studies: Acute toxicity. No data available. Serious eye damage/eye irritation: No data available. No data available. Carcinogenicity.
Irritation or Corrosion:	
Sensitization:	
Chronic Toxicological Effects:	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.
Carcinogenicity/Other Information:	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.

Ecological Information

General Ecological Information:	No data available
Persistence and Degradability:	No data available
Bioaccumulative Potential:	No data available
Mobility in Soil:	No data available

13. Disposal Consideration

Waste Disposal Method:	Dispose of as unused product. Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

14. Transport Information

LAND TRANSPORT (US DOT):	
DOT Proper Shipping Name:	Limited Quantity – 1 gallon or quart containers when shipped in the United States of America UN1263, Paint Related Material, 3, PG III – 5 gallon and 55 gallon drums shipped in the United States of America

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

AIR TRANSPORT (ICAO/IATA): UN1263, Paint Related Material, 3, PG III
IATA Shipping Name:

15. RegulatoryInformation

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

CAS#	HazardousComponents(ChemicalName)	S.302(EHS)	S. 304 RQ	S. 313 (TRI)	
Proprietary	Polyester poly-urethane	No	No	No	
123-86-4	Butyl acetate	No	Yes 5000 LB	No	
1330-20-7	Xylene (mixed isomers)	No	Yes 100 LB	Ye	
100-41-4	Ethylbenzene	No	Yes 1000 LB	s	
64742-95-6	Aromatic Solvent	No	No No	Ye	
108-65-6	Propylene glycol methyl ether acetate	No		s	All
				No	
				No	

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

V.O.C. mixed: 2.82 LBS/GL (338 GMS/L)

16. OtherInformation

Revision Date: 2/23/2023
Additional Information about this Product:

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

Health: 2*
Flammability: 3
Reactivity: 1
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 Armorpoxy Inc. 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.