ARMOR GUARD PROTECTOR

Safety Data Sheet

according to Federal Register / Col. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision Date: 05/15/2015

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Product Form : Mixture

Product Name : ARMOR GUARD PROTECTOR

Product Code : 1090

1.2 Relevent identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Floor Coating & Finishing Material

1.3 Details of the supplier of the safety data sheet

Twi-Laq Industries, Inc.
1345 Seneca Avenue
Bronx, NY 10474
T (718) 638-5860

1.4 Emergency telephone number

Emergency number : CHEM-TREC 1-800-424-9300

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Classification (GHS-US)

Not Classified

2.2 Label Elements

GHS-US labeling

No Labeling Applicable

2.3 Other Hazards

No additional information available

2.4 Unknown Acute Toxicity

No Data Available

SECTION 3: Composition / Information on Ingredients

3.1 Substance

Not Applicable

3.2 Mixture

Name	Product Identifier	%	Classification (GHS-US)
Diethylene Glycol Monoethyl Ether	(CAS No.) 111-90-0	1 - 5	Eye Irrit. 2A, H319

SECTION 4: First Aid Measures

4.1 Description of First Aid measures

First Aid measures general : Never give anything by mouth to an onconscious person. If you feel unwell, seek medical advice (show label where possible)

First Aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest.

First Aid measures after skin contact : Remove affected clothing and wash all exposed skin areas with mild soap and water, followed by warm water rinse.

First Aid measures after eye contact : Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.

First Aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms / injuries : Not expected to present a significant hazard under anticipated conditions of normal use.

4.3 Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting Measures

5.1 Extinguishing Media

Suitable extinguishing media : Foam. Dry powder. Carbon Dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream

5.2 Special hazards arising from the substance or mixture

No additional information available

5.3 Advice for firefighters

Firefighting Instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Emergency Procedures : Evacuate unnecessary personnel

6.1.2 For emergency responders

Protective Equipment : Equip cleanup crew with proper ventilation

Emergency Procedures : Ventilate area

6.2 Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up. : Soak up spills with inert solids, sush as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4 Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor

7.2 Conditons for safe storage, including any incompatibilities

Storage conditions : Keep only in the original container in a cool, well ventilated place. Keep container closed when not in use.

Incompatible products : Strong bases. Strong acids.

Incompatible Materials : Sources of ignition. Direct sunlight.

7.3 Specific end use(s)

No additional information available

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

No additional information available

8.2 Exposure controls

Personal Protective Equipment : Avoid all unnecessary exposure

Hand Protection : Protective gloves

Eye Protection : Chemical goggles or safety glasses

Respiratory Protection : Wear appropriate mask.

Other Information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state : Liquid

Color : Milky White

Odor : Acrylic

Odor threshold : No data available

pH : 8.1 (±0.5)

Evaporation rate (butyl acetate=1) : No data available

Melting Point : No data available

Freezing Point : No data available

Boiling Point : 212°F - 220°F

Flash Point : ≥ 200°F

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapor Pressure : No data available

Relative vapor density @ 20°C : Equivalent to water

Relative density : 1.03

Solubility : Soluble in Water

Log Pow : No data available

Log Kow : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

Explosive Properties : No data available

Oxidizing Properties : No data available

Explosive Limits : No data available

SECTION 10: Stability and Reactivity

10.1 Reactivity

No additional information available

10.2 Chemical Stability

Stable under normal Conditions

10.3 Possibility of hazardous reactions

Not established

10.4 Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5 Incompatible materials

Strong Acids. Strong bases.

10.6 Hazardous decomposition products

Fume. Carbon Monoxide. Carbon Dioxide.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

Acute Toxicity : Not classified

Diethylene Glycol Monoethyl Ether (111-90-0)	
LD50 oral rat	5445 mg/kg (Rat)
LD50 dermal rat	5940 mg/kg (Rat)
LD50 dermal rabbit	>5000 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	>5.2 mg/l/4h (Rat)
ATE US (oral)	5445.00000000 mg/kg body weight
ATE US (dermal)	5940.00000000 mg/kg body weight

Skin corrosion / irritation : Not classified (pH 8)
Serious eye damage / irritation : Not classified (pH 8)
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive Toxicity : Not classified
Specific target organ toxicity (single exposure) : Not classified
Specific target organ toxicity (repeated exposure) : Not classified
Aspiration hazard : Not classified
Potential Adverse human health effects and symptoms : Based on available date, the classification criteria are not met.

SECTION 12: Ecological Information

12.1 Toxicity

Diethylene Glycol Monoethyl Ether (111-90-0)	
LC50 fish 1	12900 mg/l (96 h;;Salmo gairdneri (Oncorhynchus mykiss); Flow-through system)
EC50 Daphnia 1	3940 mg/l (48 h; Daphnia magna)
EC50 other aquatic organisms 1	10661 mg/l (Echinoidea; Growth)
LC50 fish 2	9650 mg/l (96 h; Pimephales promelas; Flow-through system)

12.2 Persistence and degradability

Promise	
Persistence and degradability	Not established

Diethylene Glycol Monoethyl Ether (111-90-0)	
Persistence and degradability	Readily biodegradable in water.
Biochemical oxygen demand (BOD)	0.20 g O2 /g substance
Chemical oxygen demand (COD	1.85 g O2 /g substance
ThOD	1.9078849 g O2 /g substance
BOD (% of ThOD)	0.11 % ThOD

12.3 Bioaccumulative potential

Promise	
Bioaccumulative potential	Not established

Diethylene Glycol Monoethyl Ether (111-90-0)	
Log Pow	-1.19 - 0.08
Bioaccululative potential	Bioaccumulation: not applicable

12.4 Mobility in Soil

Diethylene Glycol Monoethyl Ether (111-90-0)	
Surface tension	0.032 N/m (25°C)

12.5 Other adverse effects

Effect on ozone layer : No additional information available

Effect on the global warming : No known ecological damage caused by this product

Other information : Avoid release to the environment

SECTION 13: Disposal Considerations

13.1 Waste Treatment Methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local, state, and federal regulations.

Ecology - Waste materials : Avoid release to the environment

SECTION 14: Transport Information

In accordance with DOT

Not regulated for transport

Additional Information

Other Information : No supplementary information available

ADR

Transport document description :

Transport by sea : No additional information available

Air transport : No additional information available

SECTION 15: Regulatory Information

15.1 US Federal Regulations

No additional information available

15.2 International Regulations

CANADA

No additional information available

EU Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Classification according to Directive 67/548/EEC [DSD] or 1999/44/EC [DPD]

Not Classified

15.2.2 National Regulations

No additional information available

SECTION 16: Other Information

Revision Date : 05/15/2015

Other Information : None

Full text of H-phrases

Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
H319	Causes serious eye irritation

HMIS III Rating

Health : 1 Slight Hazard - Irritation or minor reversible injury possible

Flammability : 0 Minimal Hazard

Physical : 0 Minimal Hazard

Personal Protection : B

SDS US (GHS Hazcom 2012)

NOTICE: NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER NATURE, ARE MADE WITH RESPECT TO INFORMATION CONCERNING THE PRODUCT REFERRED TO IN THIS MATERIAL SAFETY DATA SHEET.

The goal of defining precisely, in measurable terms, every possible health effect that may occur in the workplace as a result of chemical exposures cannot realistically be accomplished. The information and recommendation contained in this Material Safety Data Sheet are supplied pursuant to 29 C.F.R. 1910.1200 of the Occupational Safety and Health Standards Hazard Communication Rule. The information and recommendations set forth herein are presented in good faith and believed to be correct as of the date hereof. Twi-Laq Industries, Inc., however, makes no representations as to the completeness or accuracy thereof, and information is supplied upon the express condition that the persons receiving the same will be required to make their own determination as to its suitability for their purposes prior to use. In no event will Twi-Laq Industries, Inc. be responsible for any damages of any nature whatsoever resulting from the use of, reliance upon, or the misuse of this information. The information as supplied herein is simply to be informative and intended solely to alert the user of the substance which is the subject matter of this Material Safety Data Sheet. The ultimate compliance with federal, state and local regulations concerning the use or disposal of this compound, or compliance with respect to products liability, rests solely upon the purchaser thereof.