



SAFETY DATA SHEET 428: READY TO USE

Conforms to 1910.1200
Issued: July 10, 2025
Supersedes: April 10, 2020
ARMORPRO™

1: IDENTIFICATION

Product Name: ArmorPro Hard Floor Protector
Recommended Use: Water-based hard floor protectant
Ready to Use
Product intended for commercial and industrial use only.
Uses Advised Against: Other than per labelled instructions

Product Number: 428

Manufacturer Address:

Amano Pioneer Eclipse Corporation
P.O. Box 909
1 Eclipse Road
Sparta, NC 28675
Telephone: 1-336-372-8080
Email: sds@pioneereclipse.com
Internet: www.pioneereclipse.com

FOR CHEMICAL EMERGENCY: Spill, Leak, Fire, Exposure or Accident. Call CHEMTREC Day or Night.
Within USA and Canada 1-800-424-9300. Outside USA and Canada 1-703-527-3887 (collect calls accepted)

2: HAZARDS IDENTIFICATION

Classification: Skin Sensitizer - Category 1

Signal Word: WARNING

Pictogram:



Hazard Statements:

May cause an allergic skin reaction.

Precautionary Statements:

Avoid breathing mist, vapors and spray.

Wear protective gloves.

IF ON SKIN: Wash with plenty of water.

If skin irritation occurs: Get medical advice/attention.

Take off contaminated clothing and wash it before reuse.

Dispose of contents and container in accordance with local, regional, national and international regulations.

Other Hazards: None known

Supplemental Information: None

3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS Number	Weight % *
Diethylene glycol monoethyl ether	111-90-0	1 - 5
Organic acid azides	proprietary	0.1 - 1.0
2-Methyl-4-isothiazolin-3-one	2682-20-4	0.00015 - < 0.0015

* Exact concentration of the ingredients has been withheld as a trade secret.

4: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

Eye Contact: Flush eyes with plenty of water, for at least 15 minutes. If easy to do, remove contact lenses if worn. If irritation develops, seek medical attention.

Skin Contact: Wash with soap and plenty of water. If irritation persists, seek medical attention.

Inhalation: If breathing is difficult, remove subject to fresh air. If symptoms persist, seek medical attention.

Ingestion: Do not induce vomiting. Rinse mouth out with water. Seek medical advice.



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MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Eye Contact: None expected under normal use.
Skin Contact: May cause an allergic skin reaction
Inhalation: None expected under normal use.
Ingestion: None expected under normal use.

INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treat symptomatically.

5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Water spray, CO₂, dry chemical, alcohol-type or universal type foams
Use extinguishing agent suitable to the surrounding fire.
Specific Hazards: Materials can splatter above 212 °F / 100 °C
Protective Equipment and Precautions: Fire fighters should wear approved breathing apparatus and turn out gear.

6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Put on personal protective equipment (see Section 8). Keep spectators away. Floors may be slippery: use care to avoid falling.
Environment Precautions: Keep spills and cleaning run-off out of sewers and open bodies of water.

CONTAINMENT AND CLEAN-UP

Small Spills: Absorb spill with inert material (e.g. sand, earth) and dispose of as waste material in accordance with local, state and federal regulations.
Large Spills: Dike and contain spill with inert material (e.g. sand, earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for disposal.
Waste Disposal: Landfill or incinerate the contaminated solids and diking material in accordance with local, state and federal regulations. Non-salvageable liquid should be drummed and disposed of in accordance with local, state and federal regulations.

7: HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use in well-ventilated areas. Avoid breathing vapors or mists. Remove and wash contaminated clothing and footwear before re-use.
Conditions for Safe Storage: Storage temperature (Max. 60°C/140°F - Min. 1°C/34°F)
Other Information: Keep from freezing. Keep container sealed when not in use. Keep out of reach of children.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: None
Engineering Controls: Use only with adequate ventilation. Use local ventilation and other engineering controls to maintain airborne contaminants below established and recommended exposure limits. If this product contains ingredients with exposure limits, monitoring may be required to determine the effectiveness of ventilation and other control measures.
Personal Protective Equipment (PPE)
Eye/Face Protection: Personal protective equipment not required with normal use.
If there is a risk of product being splashed: Wear eye protection.
Skin Protection: Wear chemical resistant gloves.
Respiratory Protection: Respiratory protection should be worn when there is a potential of inadequate ventilation. If exposure limits are exceeded or symptoms are experienced, use an approved respirator.
Hygiene Measures: Handle in accordance with good industrial hygiene and safety practice.

9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid
Color: Milky white



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Odor:	Characteristic
Melting Point/Freezing Point:	Data not available
Boiling Point/Boiling Range:	Data not available
Flammability:	Not applicable
Upper/Lower Flammability Limits:	Data not available
Flash Point:	>200 °F / >93 °C
Auto-Ignition Temperature:	Data not available
Decomposition Temperature:	Data not available
pH:	8.0
Viscosity:	< 10 centipoise @ 68 °F (20 °C)
Solubility:	Miscible in water
Partition Coefficient:	Data not available
Vapor Pressure:	Data not available
Density:	8.4 lb/gal @ 68°F / 1.01 kg/l @ 20°C
Vapor Density:	Data not available
Particle Characteristics:	Not applicable
VOC:	< 50 g/L

10: STABILITY AND REACTIVITY

Reactivity:	Not reactive under normal conditions.
Stability:	Stable under normal conditions.
Hazardous reactions:	None expected under normal conditions.
Conditions to avoid:	None known under normal conditions.
Incompatible materials:	Do not mix with other chemicals unless stated on the product label.
Hazardous decomposition products:	None known.

11: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS

Skin contact:	May cause an allergic skin reaction.
Eye contact:	None expected under normal use. May cause mild irritation.
Inhalation:	None expected under normal use.
Ingestion:	None expected under normal use.

ACUTE TOXICITY: Based on available data, classification criteria are not met.

ATE _{mix} (oral):	> 2000 mg/kg
ATE _{mix} (dermal):	> 2000 mg/kg
ATE _{mix} (inhalation):	> 20 mg/l (4 hr/vapor)

SKIN CORROSION/IRRITATION: Based on available data, the classification criteria are not met.

SERIOUS EYE DAMAGE/IRRITATION: Based on available data, the classification criteria are not met.

RESPIRATORY OR SKIN SENSITIZATION: Classified as a Skin Sensitizer - Category 1.
May cause an allergic skin reaction.

GERM CELL MUTAGENICITY: Based on available data, the classification criteria are not met.

CARCINOGENICITY: Based on available data, the classification criteria are not met.

REPRODUCTIVE TOXICITY: Based on available data, the classification criteria are not met.

STOT-SINGLE EXPOSURE: Based on available data, the classification criteria are not met.

STOT-REPEATED EXPSURE: Based on available data, the classification criteria are not met.

ASPIRATION HAZARD: Based on available data, the classification criteria are not met.



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COMPONENT INFORMATION

Component	LD50 Oral - Rat (mg/kg)	LD50 Dermal - Rabbit (µl/kg)	LC50 Inhalation - Rat (mg/l)
Diethylene glycol monoethyl ether	> 5000	> 5000	data not available
2-Methyl-4-isothiazolin-3-one	232	242	0.13

CARCINOGENICITY: Components are not known to be classified as carcinogens. (IARC, NTP, OSHA).

12: ECOLOGICAL INFORMATION

Ecotoxicity: Ecological testing has not been completed on the mixture.
Persistence and Degradability: Data not available.
Bioaccumulative Potential: Data not available.
Mobility in Soil: Data not available.
Other Adverse Effects: Data not available.

13: DISPOSAL CONSIDERATIONS

It is the responsibility of the end user to determine, at the time of disposal, if the waste solution meets the criteria for hazardous waste. Disposal of this material should be in accordance with local, regional and national regulations.

14: TRANSPORT INFORMATION

This product is not classified as hazardous for transportation.

15: REGULATORY INFORMATION

U.S. REGULATIONS/REPORTING:

Ingredient	CAS Number	SARA 302/304	SARA 313	CERCLA
diethylene glycol monoethyl ether	111-90-0	not listed	present*	***

STATE RIGHT-TO-KNOW STATUS:

Ingredient	CAS Number	MA - RTK	NJ - RTK	PA - RTK	RI - RTK
diethylene glycol monoethyl ether	111-90-0	not listed	not listed	present*	not listed

CALIFORNIA PROPOSITION 65: Components are not present on CA Prop 65 listing.

CANADA REGULATIONS/REPORTING:

SOR/2015-17: Hazardous Product Regulations

This product has been classified in accordance with the hazard criteria of the HPR. This SDS contains the information required by the HPR.

NPRI Substance List:

Ingredient	CAS Number	Part #	Reporting Threshold
other glycol ethers and acetates	NA-45	Part 5	1 tonne air release

16: OTHER INFORMATION

Abbreviations Used:

ATE(mix)	Acute Toxicity Estimate (mixture)
CAS	Chemical Abstract Service Number
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
HPR	Hazardous Products Regulations
IARC	International Agency for Research on Cancer
LC50	Median Lethal Concentration
LD50	Median Lethal Dose
NPRI	National Pollutant Release Inventory
NTP	National Toxicology Program Report on Carcinogens
OSHA	Occupational Safety and Health Administration
RCRA	Resource Conservation and Recovery Act
SARA	Superfund Amendments and Reauthorization Act



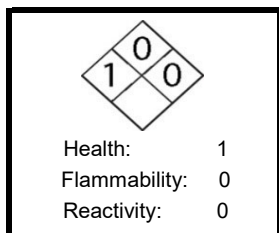
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SDS	Safety Data Sheet
VOC	Volatile Organic Compound
*	Listed as generic class Glycol Ethers
***	No RQ assigned, CERCLA hazardous substance

Revision Information:

July 10, 2025 - Revisions 2, 3, 4, 5, 7, 8, 9, 10, 11, 13, 15 & 16



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This SDS has been provided to you in accordance with the OSHA Hazard Communication Standard (29CFR1910.1200).

****IMPORTANT SAFETY INFORMATION**DO NOT DISCARD**PLEASE ROUTE TO COMPANY SAFETY OFFICER****