



SAFETY DATA SHEET

216: READY TO USE

Conforms to 1910.1200
Issued: July 10, 2024

HELIOS H216™ MAINTAINER

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Helios H216 High Gloss Maintainer
Helios H216 Matte Finish Maintainer

Product Number: 216HG
216M

Recommended Use: Floor maintainer
Ready to Use.
Product intended for commercial and industrial use only.

Uses Advised Against: Other than per labelled instructions

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: Not classified as hazardous; as determined by OSHA 1910.1200.

Signal Word: None

Pictogram: None

Hazard Statements: None

Precautionary Statements: None

Other Hazards: None

Supplemental Information: None

3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Weight % *
diethylene glycol monoethyl ether	111-90-0	1 - 5

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

4: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

Eye Contact: Rinse with plenty of water. If irritation develops and persists, seek medical attention.

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

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

Ingestion: If ingested, do not induce vomiting. Seek medical attention.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Eye Contact: None expected under normal use.

Skin Contact: None expected under normal use.

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: Dry Chemical, water spray, foam, carbon dioxide

Specific Hazards: Materials can splatter above 212 °F / 100 °C

Protective Equipment and Precautions: No special fire fighting procedures recommended. Follow all general fire safety guidelines.



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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 and skin. Wash thoroughly after handling. Use in well-ventilated areas.
- 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:** Personal protective equipment not required with normal use.
In case of prolonged use or sensitive skin, chemical resistant gloves are recommended.
- Respiratory Protection:** Personal protective equipment not required with normal use.
General room ventilation should be adequate.
- Hygiene Measures:** Handle in accordance with good industrial hygiene and safety practice.

9: PHYSICAL AND CHEMICAL PROPERTIES

- Appearance:** milky, white liquid
- Odor:** mild odor, no added fragrance
- Odor Threshold:** test data not available
- pH:** 8.0
- Freezing Point:** test data not available
- Boiling Point:** test data not available
- Flash Point:** >200 °F / >93 °C
- Evaporation Rate:** test data not available
- Flammability (solid/gas):** not applicable to liquids
- Upper/Lower Flammability limits:** test data not available
- Vapor Pressure:** test data not available
- Vapor Density:** test data not available
- Relative Density:** 8.4 lb/gal @ 68°F / 1.01 kg/L @ 20°C
- Solubility:** miscible in water
- Partition Coefficient:** test data not available
- Auto Ignition temperature:** test data not available
- Decomposition Temperature:** test data not available



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Viscosity: < 10 centipoise @ 68 °F (20 °C)
VOC: < 0.1 %

10: STABILITY AND REACTIVITY

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

11: TOXICOLOGICAL INFORMATION

Acute Toxicity: Toxicity testing has not been completed on the mixture.
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)

LOCAL EFFECTS

Skin contact: May cause mild irritation.
Eye contact: May cause mild irritation.
Sensitization: None expected
Chronic effects: None expected

SPECIFIC EFFECTS

Carcinogenicity: None known
Reproductive effects: None known
Teratogenicity: None known
Mutagenicity: None known

COMPONENT INFORMATION

Component	CAS Number	LD50 Oral-Rat (mg/kg)	LD50 Dermal - Rabbit (mg/kg)	LC50 Inhalation-Rat (mg/l)
diethylene glycol monoethyl ether	111-90-0	6031	9143	25

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.



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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: This product has been classified in accordance with the hazard criteria of the Hazardous Product Regulation (*HPR*) and the SDS contains the information required by the *HPR*.

16: OTHER INFORMATION

Abbreviations Used:

ATE _{mix}	Acute Toxicity Estimate - mixture
CAS	Chemical Abstract Service Number
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
IARC	International Agency for Research on Cancer
LC50	Median Lethal Concentration
LD50	Median Lethal Dose
OSHA	Occupational Safety and Health Administration
NTP	National Toxicology Program
RCRA	Resource Conservation and Recovery Act
SDS	Safety Data Sheet
SARA	Superfund Amendments and Reauthorization Act
VOC	Volatile Organic Compound
*	listed as generic class Glycol Ethers
***	No RQ assigned

Revision Information:

July 10, 2024 - SDS issue

Health: 1
Flammability: 0
Reactivity: 0

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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****