

ECLIPSE® POROUS SURFACE TREATMENT

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Eclipse® Porous Surface Treatment
 Product Type: Aqueous fluorochemical dispersion

Product Number: 411

Manufacturer Address:

Amano Pioneer Eclipse Corporation
 P.O. Box 909
 1 Eclipse Road
 Sparta, NC 28675

Contact Information:

Telephone: 1-336-372-8080
 Email: msds@pioneer-eclipse.com
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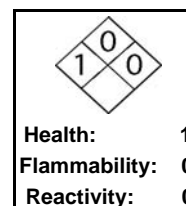
FOR CHEMICAL EMERGENCY: Spill, Leak, Fire, Exposure or Accident. Call CHEMTREC Day or Night. Within USA and Canada 1-800-424-9300. Outside USA and Canada 1-703-527-3887 (collect calls accepted)

2: HAZARDS IDENTIFICATION

OSHA status: Not classified as hazardous.
Precautions: Keep container closed when not in use. Keep out of reach of children.

Potential Health Effects:

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.



3: COMPOSITION/INFORMATION ON INGREDIENTS

This product does not contain hazardous ingredients.

4: FIRST AID MEASURES

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

5: FIRE FIGHTING MEASURES

Extinguishing Media: Dry chemical, water spray, foam, carbon dioxide
Special Fire Fighting Procedures: None
Hazardous Combustible Products: Materials can splatter above 212 °F / 100 °C
Unusual Fire and Explosion Hazards: No special fire fighting procedures recommended.

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.
Environmental 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 contains 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.

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7: HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use only in well-ventilated areas. Avoid breathing vapors or mists. Remove and wash contaminated clothing and footwear before re-use.

Storage: Storage temperature (Max. 60°C/140°F - Min. 1°C/34°F)

Other information: Keep from freezing, product may coagulate. Keep container sealed when not in use. Keep out of reach of children.

8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Ensure adequate general ventilation.

Personal Protective Equipment (PPE)

Eye/Face Protection: Safety glasses recommended

Skin Protection: Rubber gloves recommended.

Respiratory Protection: No specific personal protection is required.

9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Pale yellow liquid	Odor: slight solvent odor
Odor Threshold: N/E	pH: 4.8 ± 0.5
Freezing Point: 32 °F / 0°C	Boiling Point: 212 °F / 100 °C
Flash Point: Non-combustible	Evaporation Rate: less than water
Flammability: N/E	Upper/Lower Flammability limits: N/E
Vapor Pressure: less than water	Vapor Density: greater than air
Relative Density: 8.3 lb/gal @ 68°F / 1.0 kg/L @ 20°C	Solubility: 100% soluble in water
Partition Coefficient (n-octanol/water): N/E	Auto Ignition temperature: N/E
Decomposition Temperature: N/E	Volatile by Weight: 97 ± 0.5%
Viscosity: <10 centipoise @ 68 °F (20 °C)	

10: STABILITY AND REACTIVITY

Stability: Stable under normal conditions

Conditions to avoid: None known

Incompatible materials: Strong acids and bases

Hazardous decomposition products: None known

Hazardous reactions: None known

11: TOXICOLOGICAL INFORMATION

Acute Toxicity: Not determined on product.

LOCAL EFFECTS	SPECIFIC EFFECTS
Skin contact: May cause mild irritation	Carcinogenicity: None known
Eye contact: May cause mild irritation	Reproductive effects: None known
Sensitization: None expected	Teratogenicity: None known
Chronic effects: None expected	Mutagenicity: None known

12: ECOLOGICAL INFORMATION

Ecological data not available.

13: DISPOSAL CONSIDERATIONS

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 Components are not subject to US Reporting (SARA 302/304, 313 CERCLA)
State Right to Know Status: Components are not subject to State RTK Reporting (MA, NJ, PA, RI)
Canada Regulations/Reporting: This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations (CPR)* and the MSDS contains all of the information required by the *CPR*.
WHMIS Hazards: Not a controlled product. Components not subject to disclosure.

16: OTHER INFORMATION

Abbreviations Used:

N/E - Not Established N/A - Not applicable
N/L - Not Listed

Revision History:

04/01/2011- MSDS format change to ANSI Z400.1-2004, correction to density

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This MSDS 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****