



SAFETY DATA SHEET READY TO USE

Conforms to 1910.1200
Issued: June 4, 2019

ECLIPSE™ ANTI-SLIP TREATMENT

1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: Eclipse Anti-Slip Treatment **Product Number:** 427
Recommended Use: Anti-slip floor treatment
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: Acute Toxicity - Oral - Category 4
Eye Damage - Category 1
Skin Irritation - Category 2

Signal Word: DANGER

Pictogram:



Hazard Statements:

Harmful if swallowed.
Causes serious eye damage.
Causes skin irritation.

Precautionary Statements:

Do not eat, drink or smoke when using this product.
Wash thoroughly after handling.
Wear protective gloves and eye protection.
Wash contaminated clothing before reuse.
Dispose of contents/container in accordance with local/regional/national/international regulation.
IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor if you feel unwell.
IF ON SKIN: Wash with plenty of water.
If skin irritation occurs: Get medical advice/ attention.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
Immediately call a doctor for medical advice/ attention.

Other Hazards: None known

Supplemental Information: None known

3: COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS Number	Weight % *
Ammonium bifluoride	1341-49-7	2 - 4
Oxalic acid	144-62-7	1 - 2

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



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4: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

- Eye Contact:** In case of contact, immediately flush eye with plenty of water for at least 15 minutes. (If easy to do, remove contact lenses, if worn). Seek medical attention.
- Skin Contact:** In case of contact, wash with plenty of water. If symptoms persist, seek medical attention.
- Inhalation:** If breathing is difficult. Remove subject to fresh air. If symptoms persist, seek medical attention.
- Ingestion:** Rinse mouth. Do not induce vomiting. Call a physician or poison control center.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

- Eye Contact:** Causes serious eye damage.
- Skin Contact:** Causes skin irritation.
- Inhalation:** May cause irritation to nose, throat and respiratory tract.
- Ingestion:** Harmful if swallowed. May cause nausea or irritation if ingested.

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
- Specific Hazards:** Do not spray a solid stream of water or foam directly in hot liquid. This may cause frothing.
- Protective Equipment and Precautions:** Fire fighters should wear NIOSH approved breathing apparatus. Materials can splatter above 100° C / 212° F

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. 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:

Ingredient	CAS Number	ACGIH		OSHA	
		TWA	STEL	TWA	STEL
Oxalic Acid	144-62-7	1 mg/m ³	2 mg/m ³	1 mg/m ³	-



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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: Safety eyewear is recommended, to avoid chemical splashes and mists.

Skin Protection: Chemical resistant gloves are recommended.

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

Appearance:	clear liquid
Odor:	none
Odor Threshold:	data not available
pH:	4.0
Freezing Point:	data not available
Boiling Point:	data not available
Flash Point:	> 200°F / > 93°C
Evaporation Rate:	data not available
Flammability (solid/gas):	not applicable to liquids
Flammability limits:	data not available
Vapor Pressure:	data not available
Vapor Density:	data not available
Relative Density:	8.3 lb/gal @ 68°F / 1.0 kg/L @ 20°C
Solubility:	miscible in water
Partition Coefficient:	data not available
Auto Ignition temperature:	data not available
Decomposition Temperature:	data not available
Viscosity:	data not available
VOC:	0%

10: STABILITY AND REACTIVITY

Reactivity:	Not reactive under normal conditions.
Stability:	Stable under normal conditions.
Hazardous reactions:	None known
Conditions to avoid:	None known
Incompatible materials:	Oxidizing agents. Do not mix with other chemicals unless stated on the product label.
Hazardous decomposition products:	carbon monoxide, carbon dioxide and nitrogen oxides

11: TOXICOLOGICAL INFORMATION

Acute Toxicity:	Toxicity testing has not been completed on the mixture.
ATE _{mix} (oral)	- 2272 mg/kg
ATE _{mix} (dermal)	- > 2000 mg/kg
ATE _{mix} (inhalation)	- > 20 mg/l (4 hr/vapour)

LOCAL EFFECTS

Skin contact:	Can cause skin irritation.
Eye contact:	Can cause serious eye damage.
Sensitization:	None expected
Chronic effects:	None expected



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SPECIFIC EFFECTS

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

COMPONENT INFORMATION

Component	LD50 Oral-Rat (mg/kg)	LD50 Dermal - Rabbit (mg/kg)	LC50 Inhalation- (mg/l)
Ammonium bifluoride	130	data not available	data not available
Oxalic acid	375	20000	data not available

Carcinogenicity: Components are not known to be classified as carcinogens.

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

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.

UN Number: None
UN Proper Shipping Name: None
Hazard Class: None
Packing Group: None
Marine Pollutant: None
Transport in Bulk: N/A
Other Information: None

15: REGULATORY INFORMATION

U.S. REGULATIONS/REPORTING:

Ingredient	CAS Number	SARA 302/304	SARA 313	CERCLA
Ammonium bifluoride	1341-49-7	-	-	100

STATE RIGHT-TO-KNOW STATUS:

Ingredient	CAS Number	MA - RTK	NJ - RTK	PA - RTK	RI - RTK
Ammonium bifluoride	1341-49-7	listed	listed	listed	listed
Oxalic acid	144-62-7	listed	listed	listed	listed

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

16: OTHER INFORMATION

Abbreviations Used:

N/A - Not applicable
N/E - Not Established
N/L - Not Listed
IARC 3 - Unclassifiable as to carcinogenicity in humans.

Revision Information:

June 4, 2019 - SDS issued



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Health: 3
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****