



SAFETY DATA SHEET

Conforms to 1907/2006/EC - (EU) 2015/830

Issued: Mar. 30, 2018

ECLIPSE™ HARD FLOOR SEALER

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 PRODUCT IDENTIFIER

Product Name: Eclipse Hard Floor Sealer

Product Number: 403L5

1.2 RELEVANT IDENTIFIED USES OF THE MIXTURE AND USES ADVISED AGAINST

Product intended for commercial and industrial use only.

Intended Use: Floor sealer

Uses Advised Against: Other than per labelled instructions.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

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

1.4 EMERGENCY TELEPHONE NUMBER

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)

SECTION 2: HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE MIXTURE

This mixture has been classified according to EC 1272/2008.

Not classified as hazardous.

2.2 LABEL ELEMENTS

Signal Word: None

Hazard pictogram: None

Hazard Statement: Contains Benzisothiazolinone, methylchloroisothiazolinone, methylisothiazolinone. May produce an allergic reaction.

Precautionary Statement: None

2.3 OTHER HAZARDS

No other hazards are known to the supplier

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1/3.2 SUBSTANCES/MIXTURES

| Ingredient | EC No. | Weight % | CAS No. | REACH-No. | CLP Classification | |
|---|-----------|----------|------------|------------------|-------------------------------|----------------------|
| | | | | | Hazard Class | Hazard Statement(s)* |
| 3-butoxypropanol-2-ol | 225-878-4 | 1 - 5 | 5131-66-8 | 01-2119475527-28 | Eye Irrit. 2 Skin Irrit. 2 | H319 H315 |
| (2-methoxymethylethoxy)-propanol [†] | 252-104-2 | 1 - 5 | 34590-94-8 | - | none | none |
| Tributoxyethylphosphate | 201-122-9 | 1 - 5 | 78-51-3 | 01-2119485835-23 | Aquatic Chronic 3 | H412 |

[†] This ingredient does not have a harmonized classification per 1272/2008 and is listed due to WEL.

*See section 16 for the full text of Hazard Statements



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SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

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

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

This mixture is not expected to produce significant hazards when recommended use instructions are followed.

Eye Contact: May cause slight irritation.
Skin Contact: None expected under normal use.
Inhalation: None expected under normal use.
Ingestion: May cause irritation of the linings of the mouth, throat and gastrointestinal tract.

4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Treat symptomatically

SECTION 5: FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

In case of fire: use dry chemical, water spray, foam, carbon dioxide.

5.2 SPECIAL HAZARDS ARISING FROM THE MIXTURE

The product itself does not maintain combustion.

5.3 ADVICE FOR FIRE FIGHTERS

As in any fire, wear self contained breathing apparatus and suitable protective clothing including gloves and eye/face protection. Fire-fighters should wear clothing conforming to EN469 for chemical incidents. Materials can splatter above 100°C/212°F.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Refer to Section 8 for appropriate personal protective equipment.
Material spilled on hard surface can present a serious slipping/falling hazard.

6.2 ENVIRONMENTAL PRECAUTIONS

Keep spills and cleaning runoff out of sewers and open bodies of water.

6.3 METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Small spills: Absorb spill on inert material (e.g. sand, earth) and dispose of as waste material in accordance with national and regional provisions.

Large spills: Keep spectators away. Floors may be slippery; use care to avoid falling. Neutralize spill area. 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.

6.4 REFERENCE TO OTHER SECTIONS:

Refer to Section 8 of the SDS - Personal precautions
Refer to Section 7 of the SDS - Precautions in handling and storage
Refer to Section 13 of the SDS - Waste disposal recommendations

SECTION 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Avoid contact with eyes and skin. Wash thoroughly after handling. Use in well-ventilated areas.

7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage temperature (Max. 60°C/140°F) (Min. 1°C/34°F). Keep from freezing. Keep container sealed when not in use. Keep out of reach of children.

7.3 SPECIFIC END USE(S): No information available



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

Occupational Exposure limits:

| Ingredient | Source | TWA (8hours) | | STEL (Short term) | | Note(s) |
|----------------------------------|------------------------|--------------|-------------------|-------------------|-------------------|---------|
| | | ppm | mg/m ³ | ppm | mg/m ³ | |
| (2-methoxymethylethoxy)-propanol | ACGIH TLV | 100 | 606 | 150 | 909 | Skin |
| | EU (2000/39/EC) | 50 | 308 | - | - | Skin |
| | NO Administrative Norm | 50 | 300 | - | - | H |
| | EH40 | 50 | 308 | - | - | Sk |

8.2 EXPOSURE CONTROLS

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.

Environmental exposure controls: No specific environmental exposure controls known.

Personal Protective Equipment (PPE)

Eye/Face Protection: Safety eyewear is recommended, to avoid chemical splashes. Safety glasses or goggles (EN166).

Hand Protection: Chemical resistant gloves are recommended in the case of prolonged use. (EN374). Protective gloves should be selected according to the application and duration of use. Workplace selection should take into consideration handling requirements, physical requirements and exposure to other substances.

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 with multi-purpose combination filter. (E.g. - EN 14387- ABEK)

Other information: Do not eat, drink, or smoke when using this product. Avoid contact with skin and eyes.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|--|
| Appearance: | milky white liquid |
| Odor: | slight odor characteristic of raw material, no added fragrance |
| Odor Threshold: | No test data available |
| pH: | 7.8 |
| Freezing Point: | No test data available |
| Initial boiling point/boiling range: | No test data available |
| Flash Point: | > 93°C |
| Evaporation Rate: | No test data available |
| Flammability (solid, gas) | Not applicable to liquids |
| Upper/lower flammability/explosive limits: | No test data available |
| Vapor Pressure: | No test data available |
| Vapor Density: | No test data available |
| Relative Density: | 1.021 kg/L @ 20°C |
| Solubility: | miscible in water |
| Partition Coefficient (n-octanol/water): | - 0.29 (calculated value) |
| Auto Ignition temperature: | No test data available |
| Decomposition Temperature: | No test data available |
| Viscosity: | < 10 mPa.s |
| Explosive Properties: | None |
| Oxidizing properties: | None |

9.2 OTHER INFORMATION

VOC: 7.02%



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SECTION 10: STABILITY AND REACTIVITY

- 10.1 REACTIVITY:** Stable under normal conditions.
- 10.2 CHEMICAL STABILITY:** Stable under normal conditions.
- 10.3 POSSIBILITY OF HAZARDOUS REACTIONS:** None under normal conditions.
- 10.4 CONDITIONS TO AVOID:** None under normal conditions.
- 10.5 INCOMPATIBLE MATERIALS:** Do not mix with other chemicals unless stated on the product label.
- 10.6 HAZARDOUS DECOMPOSITION PRODUCTS:** None known

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

ACUTE TOXICITY: Toxicity testing has not been completed on the mixture. Based on criteria 3.1.3 from (EC) 1272/2008, the classification criteria are not met and this product is not toxic.

| Component | CAS # | LD50 Oral-Rat (mg/kg) | LD50 Dermal - Rabbit (mg/kg) | LC ₅₀ Inhalation-Rat (mg/l) |
|-------------------------|-----------|-----------------------|------------------------------|--|
| 3-butoxypropanol-2-ol | 5131-66-8 | 5660 | > 2000 | > 3.5 |
| Tributoxyethylphosphate | 78-51-3 | 3000 mg/kg bodyweight | data not available | data not available |

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

11.2 POTENTIAL ADVERSE HEALTH EFFECTS

Effects and symptoms related to this mixture, if any, are listed in Section 4.2.

SECTION 12: ECOLOGICAL INFORMATION

- 12.1 TOXICITY:** Ecological testing has not been completed on the mixture. Based on criteria 4.1.3 of (EC) 1272/2008 this product is not dangerous to the environment. Components that are dangerous to the environment are mentioned below.

| Component | CAS # | LC50 | LC50 | LC50 |
|-------------------------|-----------|----------------------------|---------------------------|--------------------|
| 3-butoxypropanol-2-ol | 5131-66-8 | vertebrate, 560-1000 mg/ml | Daphnia magna, >1000 mg/l | algae, 560 mg/l |
| Tributoxyethylphosphate | 78-51-3 | 24 mg/l | Daphnia, 75 mg/l | data not available |

- 12.2 PERSISTANCE AND DEGRADABILITY:** Testing has not been completed on the mixture.

| Component | CAS # | Biodegradation |
|-----------------------|-----------|-----------------------|
| 3-butoxypropanol-2-ol | 5131-66-8 | Readily biodegradable |

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ECLIPSE™ HARD FLOOR SEALER**12.3 BIOACCUMULATIVE POTENTIAL:**

| Component | CAS # | Partition coefficient n-octanol/water (Log Pow) | Bioconcentration factor (BCF) |
|---------------------------|-----------|---|-------------------------------|
| Eclipse Hard Floor Sealer | mixture | -0.29 (calculated) | - |
| 3-butoxypropanol-2-ol | 5131-66-8 | 1.2 | < 100 |

12.4 MOBILITY IN SOIL:

Testing has not been completed on the mixture.

| Component | CAS # | Soil Organic Carbon-Water Partitioning Coefficient (Koc) |
|-----------------------|-----------|--|
| 3-butoxypropanol-2-ol | 5131-66-8 | 1.3 - 6.0 |

12.5 RESULTS OF PBT AND vPvB ASSESSMENT: Not applicable**12.6 OTHER ADVERSE EFFECTS:** None known**12.7 ADDITIONAL INFORMATION:** Classification criteria, for environmental hazards, are not met.**SECTION 13: DISPOSAL CONSIDERATIONS****13.1 WASTE TREATMENT METHODS**

Disposal of this material should be in accordance with local, regional and national regulations.

EU Waste Catalogue: 16 03 05* - organic wastes containing dangerous substance

SECTION 14: TRANSPORT INFORMATION

Product is not classified as hazardous for transport regulations.

14.1 UN NUMBER: None**14.2 UN PROPER SHIPPING NAME:** None**14.3 TRANSPORT HAZARD CLASSES:** None**14.4 PACKING GROUP:** None**14.5 ENVIRONMENTAL HAZARDS:** None**14.6 SPECIAL PRECAUTIONS:** None**14.7 TRANSPORT IN BULK ACCORDING TO ANNEX II OF MAPROL73/78 AND THE IBC CODE:** N/A**SECTION 15: REGULATORY INFORMATION****15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE MIXTURE**

Contains no substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.2 CHEMICAL SAFETY ASSESSMENT: No information available.**SECTION 16: OTHER INFORMATION****REVISION INFORMATION:**

Mar. 30, 2018 - SDS issue

ABBREVIATIONS:

N/A - Not applicable

N/E - Not Established

N/L - Not Listed



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FULL TEXT OF HAZARD STATEMENTS:

- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H412 Harmful to aquatic life with long lasting effects.

FULL TEXT OF PRECAUTIONARY STATEMENTS:

Safety data sheet available on request.

ISSUED BY:

Chemical/R&D Department
Amano Pioneer Eclipse Corporation