



# SAFETY DATA SHEET

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

Issued: April 17, 2018

**EQUINOX™**

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

### 1.1 PRODUCT IDENTIFIER

Product Name: Equinox Ultra High Speed Floor Coating Product Number: 103L5

### 1.2 RELEVANT IDENTIFIED USES OF THE MIXTURE AND USES ADVISED AGAINST

Product intended for commercial and industrial use only.

Intended Use: Floor finish

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.

Classification: Eye Damage/Eye Irritation - Category 2

### 2.2 LABEL ELEMENTS

Signal Word: Warning

Hazard pictogram:



Hazard Statement:

H319 Causes serious eye irritation.

Precautionary Statements:

P264 Wash hands thoroughly after handling.

P280 Wear eye protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

### 2.3 OTHER HAZARDS

EUH208 Contains methylchloroisothiazolinone, methylisothiazolinone. May produce an allergic reaction.

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**EQUINOX™****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)*
Tributoxyethylphosphate	201-122-9	1 - < 5	78-51-3	01-2119485835-23	AquaChr 3	H412
Trimethyl Pentanyl Diisobutyrate	229-934-9	1 - < 5	6846-50-0	01-2119451093-47	AquaChr 3	H412
Dodecan-1-ol, ethoxylated	500-002-6	1 - < 5	9002-92-0		AcuteTox 4 Eye Dam 1	H302 H318
1-Methoxy-2-propanol	203-539-1	< 0.1	107-98-2	01-2119457435-35	Flam Liq 3 STOT SE 3	H226 H336
Methylchloroisothiazolinone, Methylisothiazolinone	611-341-5	< 0.1	55965-84-9	01-2120764691-48	AcuteTox 3 Eye Irrit2 Skin Irrit 2 Skin Sens 1 AquaAcute1 AquaChr 3	H301,H311,H331 H319 H315 H317 H400 H410

\*See section 16 for the full text of (EUH) Hazard Statements

**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 adverse health effects when recommended use instructions are followed.

**Eye Contact:** May cause slight irritation.  
**Skin Contact:** Not expected to present a significant skin hazard.  
**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**

In case of any doubt or when irritation occurs or persists seek medical advice.

**SECTION 5: FIRE FIGHTING MEASURES****5.1 EXTINGUISHING MEDIA**

In case of fire: All known extinguishants can be used.

**5.2 SPECIAL HAZARDS ARISING FROM THE MIXTURE**

The product itself does not support 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.



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## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

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

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 CONTROL PARAMETERS

Workplace Exposure Limits:

Ingredient	Source	TWA (8hours)		STEL (Short term)		Note(s)
		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
1-Methoxy-2-propanol (CAS# 107-98-2)	ACGIH TLV	50	184	100	369	
	DE (TRGS 900)	-	-	100	370	2(l) DFG, EU,Y
	DK - At-Vejledning Stoffer og materialier- C.0.1	50	185	-	-	E
	EU (2000/39/EC)	100	375	150	568	Skin
	NO - Forskrift, best.nr. 704	50	180	-	-	H *
	NL - Grenswaarde TGG	-	375	-	563	H
	EH40	100	375	150	560	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 and mists.  
Safety glasses or goggles (EN166).



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- Hand Protection:** This product is not classified as dangerous for the skin and therefore no protection gloves are necessary when this product is used. In case of prolonged use or sensitive skin, where irritation is possible, it would be recommended to use gloves.
- 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)
- Hygiene Measures:** Do not eat, drink or smoke when using this product.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	white liquid
Odor:	slight odor characteristic of raw material, no added fragrance
Odor Threshold:	No test data available
pH:	9 - 10
Freezing Point:	± 0 °C
Initial boiling point/boiling range:	± 100 °C
Flash Point:	> 65 °C
Evaporation Rate:	< 1 (butyl acetate = 1)
Flammability (solid, gas)	Not applicable to liquids
Upper/lower flammability/explosive limits:	No test data available
Vapor Pressure:	23.4 hPa
Vapor Density:	No test data available
Relative Density:	1.03 kg/L @ 20°C
Solubility:	miscible in water
Partition Coefficient (log Pow):	-0.77 (calculated value)
Auto Ignition temperature:	No test data available
Decomposition Temperature:	No test data available
Viscosity:	< 10mPa.s (dynamic)
Explosive Properties:	None
Oxidizing properties:	None

#### 9.2 OTHER INFORMATION

VOC:	9,31%
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### SECTION 10: STABILITY AND REACTIVITY

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



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Component	CAS #	LD50 Oral Rat	LD50 Dermal Rabbit	LC50 Inhalation Rat
Tributoxyethylphosphate	78-51-3	3000 mg/kg	data not available	data not available
Trimethyl pentanyl diisobutyrate	6486-50-0	> 2000 mg/kg	> 2000 mg/kg	> 0.12 mg/l (6 h)
1-Methoxy-2-propanol	107-98-2	3739 mg/kg	> 2000 mg/kg	> 26315 mg/l/ (4 h)
Methylchloroisothiazolinone, Methylisothiazolinone	55965-84-9	59 mg/kg	> 75 mg/kg	data not available

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

**SERIOUS EYE DAMAGE/IRRITATION:** Classified as Eye Damage/ Eye Irritation - Category 2. Causes serious eye irritation.

**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 fish 1	EC50 other aquatic organisms	EC50 algae
Tributoxyethylphosphate	78-51-3	24 mg/l	75 mg/l - Daphnia	data not available
Trimethyl pentanyl diisobutyrate	6846-50-0	≥ 6 mg/l	≥ 1.46 mg/l - Daphnia	> 7.49 mg/l (72 h)
1-Methoxy-2-propanol	107-98-2	> 4600 mg/l	23300 mg/l - waterflea	IC50 > 500 mg/l (72 h)
Methylchloroisothiazolinone, Methylisothiazolinone	55965-84-9	0.19 mg/l	0.126 mg/l - waterflea	IC50 0.003 mg/l (72 h)

### 12.2 PERSISTENCE AND DEGRADABILITY: Testing has not been completed on the mixture.

Component	CAS #	Biodegradability
Tributoxyethylphosphate	78-51-3	Readily biodegradable
Trimethyl pentanyl diisobutyrate	6846-50-0	70.73% 28 days
Dodecan-1-ol, ethoxylated	9002-92-0	Readily biodegradable
1-Methoxy-2-propanol	107-98-2	Readily biodegradable
Methylchloroisothiazolinone, Methylisothiazolinone	55965-84-9	Readily biodegradable

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**EQUINOX™****12.3 BIOACCUMULATIVE POTENTIAL:**

Mixture/Component	CAS #	Partition coefficient n-octanol/water (Log Pow)
Equinox UHS Floor Coating	mixture	-0.77 (calculated)
Tributoxyethylphosphate	78-51-3	3.75
Trimethyl pentanyl diisobutyrate	6846-50-0	4.04 - 4.91
Dodecan-1-ol, ethoxylated	9002-92-0	1.94
1-Methoxy-2-propanol	107-98-2	1

**12.4 MOBILITY IN SOIL:** Testing has not been completed on the mixture.**12.5 RESULTS OF PBT AND vPvB ASSESSMENT:**

Trimethyl pentanyl diisobutyrate	6846-50-0	This substance does not meet the PBT criteria of REACH regulation, annex XIII This substance does not meet the vPvB criteria of REACH regulation, annex XIII
Dodecan-1-ol, ethoxylated	9002-92-0	This substance does not meet the PBT criteria of REACH regulation, annex XIII This substance does not meet the vPvB criteria of REACH regulation, annex XIII

**12.6 OTHER ADVERSE EFFECTS:** None known**12.7 ADDITIONAL INFORMATION:** No additional information available.**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 substances

**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  $\geq 0,1$  % / SCL  
Contains no REACH Annex XIV substances

**15.2 CHEMICAL SAFETY ASSESSMENT:** No chemical safety assessment has been carried out.**SECTION 16: OTHER INFORMATION****REVISION INFORMATION:**

April 17, 2018 - SDS issued



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### ABBREVIATIONS:

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

### FULL TEXT OF HAZARD STATEMENTS:

- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H311 Toxic in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H331 Toxic if inhaled
- H336 May cause drowsiness or dizziness.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- 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