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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 UFI: V3F0-Y5C5-P107-4E3R Product Number:

403L5

1.2 RELEVENT IDENTIFIED USES OF THE MIXTURE AND USES ADVISED AGAINST

Product intended for commercial and industrial use only.Intended Use:Floor sealerUses 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:Skin sensitisation - Category 1

2.2 LABEL ELEMENTS

Signal Word:

Hazard pictogram:

Warning



Contains:

Benzisothiazolinone, Methylchloroisothiazolinone methylisothiazolinone.

••••••••	
Hazard Statement: H317	May cause an allergic skin reaction.
Precautionary Statemen	ts:
P261	Avoid breathing vapours.
P280	Wear protective gloves.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.

2.3 OTHER HAZARDS

No other hazards are known to the supplier

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1/3.2 SUBSTANCES/MIXTURES

					CLP Classification	
Ingredient	EC No.	Weight %	CAS No.	REACH-No.	Hazard Class	Hazard Statement(s)*
3- Butoxypropanol-2-ol	225-878-4	5 - < 10	5131-66-8	01- 2119475527- 28	Eye Irrit. 2 Skin Irrit. 2	H319 H315



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Dipropylene glycol monomethyl ether [†]	252-104-2	1 - < 5	34590-94-8	01- 2119450011- 60	none	none
Tributoxyethylphosphate	201-122-9	1 - < 5	78-51-3	01- 2119485835 -23	AquaChr 3	H412
Ammonium hydroxide	215-647-6	< 0.1	1336-21-6	01- 2119488876- 14	Skin Corr 1B AquaAcute1	H314 H400
1-Methoxy-2-propanol	203-539-1	< 0.1	107-98-2	01- 2119457435 -35	Flam Liq 3 STOT SE 3	H226 H336
2-Methylisothiazol-3(2H)-one	220-293-6	< 0.1	2682-20-4	01- 2120764690 -50	AcuteTox 3 AcuteTox 2 Skin Corr 1B Skin Sens 1A Eye Dam 1 AquaAcute1 AquaChr 1	H301,H311 H330 H314 H317 H318 H400 H410
1,2-Benzisothiazol-3(2H)-one	220-120-9	< 0.1	2634-33-5	01- 2120761540 -60	AcuteTox 4 Skin Irrit 2 Eye Dam 1 Skin Sens 1 AquaAcute1	H302 H315 H318 H317 H400
Methylchloroisothiazolinone, Methylisothiazolinone	611-341-5	< 0.1	55965-84-9	01- 2120764691 -48	AcuteTox 2 AcuteTox 3 Skin Corr 1C Skin Sens 1A Eye Dam 1 AquaAcute1 AquaChr 1	H310, H330 H301 H314 H317 H318 H400 H410

[†] 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

Ingredient	EC No.	CAS No.	Specific Concentration Limits M-Factors
Ammonium hydroxide	215-647-6	1336-21-6	(5 ≤C≤ 100) STOT SE3, H335
2-Methylisothiazol-3(2H)-one	220-293-6	2682-20-4	(0.0015 ≤C≤ 100) Skin Sens 1A, H317 Aquatic Acute 1, H100 (M=10)
1,2-Benzisothiazol-3(2H)-one	220-120-9	2634-33-5	(0.05 ≤C≤ 100) Skin Sens 1, H317
Methylchloroisothiazolinone, Methylisothiazolinone	611-341-5	55965-84-9	$(0.0015 \le C \le 100)$ Skin Sens 1A, H317 $(0.06 \le C < 0.6)$ Eye Irrit 2, H319 $(0.6 \le C \le 100)$ Eye Dam 1, H318 $(0.06 \le C < 0.6)$ Skin Irrit 2, H315 $(0.6 \le C \le 100)$ Skin Corr 1C, H314 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100)

SECTION 4: FIRST AID MEASURES

4.1 DECRIPTION 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 or rash occurs: Get medical advice/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.

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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. Redness.

 Skin Contact:
 Not expected to present a significant skin hazard, under normal use. Prolonged or repeated use may cause irritation.

 Inhalation:
 None expected with 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. If medical advice is needed, have product container or label at hand.

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. 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

Occupational Exposure limits:

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Ingradiant	Source	TWA (8hours)	STEL (Short term)		Niete (a)	
Ingredient	Source	ppm	mg/m ³	ppm	mg/m ³	Note(s)	
	ACGIH TLV	100	606	150	909	Skin	
(2-methoxymethylethoxy)-propanol	EU (2000/39/EC)	50	308	-	-	Skin	
(CAS# 34590-94-8)	NO Administrative Norm	50	300	-	-	Н	
	EH40	50	308	-	-	Sk	
Ingradiant	Source	TWA (8hours)	STEL (S	hort term)	Neto(a)	
Ingredient	Source	ppm	mg/m ³	ppm	mg/m ³	Note(s)	
Ammonium hydroxide (CAS# 1336-21-6)	EU (2000/39/EC)	20	14	50	36		
Listed as Ammonia	NL - Grenswaarde TGG	-	14	-	-		
Ingredient	Source	TWA (8hours)		STEL (Short term)		Note(s)	
		ppm	mg/m ³	ppm	mg/m ³	Note(S)	
	ACGIH TLV	50	184	100	369		
	DE (TRGS 900)	-	-	100	370	2(I) DFG, EU,Y	
1-Methoxy-2-propanal	DK - At-Vejledning Stoffer og materialier- C.0.1	50	185	-	-	Е	
(CAS# 107-98-2)	EU (2000/39/EC)	100	375	150	568	Skin	
	NO – Forskrift, best.nr. 704	50	180	-	-	Н*	
	NL - Grenswaarde TGG	-	375	-	563	Н	
	EH40	100	375	150	560	Sk	

8.2 EXPOSURE CONTROLS

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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.

Environmental exposure controls: No specific environmental exposure controls known.

Eye/Face Protection:	Under normal use of this product, eye protection not necessary. If there is a risk of liquid being splashed: Wear eye protection.
Hand Protection:	Safety glasses or goggles (EN166). Wear chemical resistant gloves. (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:	Under normal use of this product, respiratory protection not necessary. 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

Physical state:	Liquid
Colour:	milky white
Odour:	slight odor characteristic of raw material, no added fragrance
Melting point/Freezing point:	No test data available
Boiling point/Boiling range:	100°C
Flammability:	Does not maintain combustion.
Lower and upper explosion limits:	No test data available

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	Flash Point:	> 93°C
	Auto-ignition temperature:	No test data available
	Decomposition temperature:	No test data available
	pH:	7 - 8
	Kinematic viscosity:	< 10 mm ² /s
	Solubility:	Water, completely soluble
	Partition coefficient n-octanol/water [log Pow]:	-0.29 (calculated value)
	Vapor pressure:	No test data available
	Density:	1.02 g/cm ³
	Relative vapor density:	No data available
	Particle characteristics:	Not applicable to liquids
9.2	OTHER INFORMATION	
	9.2.1 - Information with regard to physical haz	ard class:
	Oxidising properties:	Not established
	Explosive properties:	Not established
	9.2.2 - Other safety characteristics:	
	Relative evaporation rate (butylacetate=1):	< 1
	VOC:	7.02%
SECT	TION 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:	Bases. Strong acids. Oxidizing agents.
		Do not mix with other chemicals unless stated on the product label.
10.6	HAZARDOUS DECOMPOSITION PRODUCTS:	None known

SECTION 11: TOXICOLOGICAL INFORMATION

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11.1 INFORMATION ON HAZARD CLASSES AS DEFINED IN REGULATION (EC) 1272/2008

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

Based on criteria 3.1.3 from (EC) 1272/2008, the Acute Toxicity classification criteria are not met. Component details are given below:

Component	CAS #	LD50 Oral Rat	LD50 Dermal Rabbit	LC50 Inhalation Rat
3-Butoxypropanol-2-ol	5131-66-8	5660 mg/kg	> 2000 mg/kg	> 3.5 mg/l
Tributoxyethylphosphate	78-51-3	3000 mg/kg	> 5000 mg/kg	> 6.4 mg/l
Ammonium hydroxide	1336-21-6	350 mg/kg	data not available	7035 mg/m ³
1-Methoxy-2-propanol	107-98-2	3739 mg/kg	> 2000 mg/kg	> 26315 mg/l (4 h)
1,2-Benzisothiazol-3(2H)-one	2634-33-5	1020 mg/kg	4115 mg/kg	100 mg/l/4h
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:

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

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	RESPIRATORY OR SKIN SENSITIZATION:	Classified as Skin Sensitisation - Category 1. May cause an allergic skin reaction
	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.
2	INFORMATION ON OTHER HAZARDS 11.2.1 Endocrine disrupting properties:	None known

11.2

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Other information: 11.2.2

No additional information available

SECTION 12: ECOLOGICAL INFORMATION

TOXICITY: Ecological testing has not been completed on the mixture. 12.1 Based on criteria 4.1.3 of (EC) 1272/2008 this product is not dangerous to the environment. Component details are given below:

Component	CAS #	LC50 fish (96 h)	EC50 Daphnia (48 h)	EC50 algae (72 h)
3-Butoxypropanol-2-ol	5131-66-8	560-1000 mg/ml	>1000 mg/l	560 mg/l
Dipropylene glycol monomethyl ether	34590-94-8	1000 - 10000 mg/l	> 100 mg/l	> 100 mg/l
Tributoxyethylphosphate	78-51-3	24 mg/l	75 mg/l	61 mg/l
Ammonium hydroxide	1336-21-6	0.89 mg/l	110 mg/l	2.7 mg/l
1-Methoxy-2-propanol	107-98-2	> 4600 mg/kg	23300 mg/kg	> 500 mg/l
2-Methylisothiazol-3(2H)-one	2682-20-4	4.77 mg/kg	0.934 mg/l	0.0725 mg/l
1,2-Benzisothiazol-3(2H)-one	2634-33-5	2.18 mg/l	2.94 mg/l	0.11 mg/l
Methylchloroisothiazolinone, Methylisothiazolinone	55965-84-9	0.19 mg/l	0.126 mg/l	0.003 mg/l

Testing has not been completed on the mixture.

12.2 PERSISTANCE AND DEGRADABILITY:

Component	CAS #	Biodegradation
3-Butoxypropanol-2-ol	5131-66-8	Readily biodegradable
Tributoxyethylphosphate	78-51-3	Readily biodegradable
Ammonium hydroxide	1336-21-6	Readily biodegradable
1-Methoxy-2-propanol	107-98-2	Readily biodegradable
Methylchloroisothiazolinone, Methylisothiazolinone	55965-84-9	> 60% Aerobic (OECD301D), Readily biodegradable

12.3 BIOACCUMULATIVE POTENTIAL:

Component	CAS #	Partition coefficient n-octanol/water (Log Pow)
Eclipse Hard Floor Sealer	mixture	-0.29 (calculated)
3-Butoxypropanol-2-ol	5131-66-8	1.2
Dipropylene glycol monomethyl ether	34590-94-8	1.01
Tributoxyethylphosphate	78-51-3	3.75
Ammonium hydroxide	1336-21-6	-0.64
1-Methoxy-2-propanol	107-98-2	1
2-Methylisothiazol-3(2H)-one	2682-20-4	-0.32
1,2-Benzisothiazol-3(2H)-one	2634-33-5	0.7

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12.4 MOBILITY IN SOIL: Testing has not been completed on the mixture.

12.5 RESULTS OF PBT AND vPvB ASSESSMENT:

Eclipse Hard Floor Sealer	This mixture does not meet the PBT criteria of REACH regulation, Annex XIII.
	This mixture does not meet vPvB criteria of REACH regulation, Annex XIII.

12.6 ENDOCRINE DISRUPTING PROPERTIES: None known

12.7 OTHER ADVERSE EFFECTS: 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 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	MARITIME TRANSPORT IN BULK	ACCORDING TO IMO INSTRUMENTS:	

Product is not transported in bulk.

SECTION 15: REGULATORY INFORMATION

15.1 SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE MIXTURE

Does not contain substances or labelled product uses subject to REACH Annex XVII restriction.

See Annex XVII of Regulation (EC) 1907/2006 for Designation of the substances and Conditions of restriction.

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to EU 649/2012

Contains no substance subject to EU 2019/1021

15.2 CHEMICAL SAFETY ASSESSMENT:

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

REVISION INFORMATION:

02 Nov 2022 - Revisions per (EU) 2020/878; § 1, 2, 3, 4, 8, 9, 10, 11, 12, 14, 15 & 16

ABBREVIATIONS:

ACGIH	American Conference of Governmental Industrial Hygienists
ATE	Acute Toxicity Estimate
CAS No.	Chemical Abstract Service Number
CLP	Classification Labeling Packaging Regulation (EC) 1272/2008
EC50	Median Effective Concentration.
EC No.	European Union Identification Number
IMO	International Maritime Organization
LC50	Median Lethal Concentration
LD50	Median Lethal Dose
PBT	Persistent Bioaccumulative Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation, (EC) 1907/2006
SDS	Safety Data Sheet
STEL	Short-Term Exposure Limit

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TWA	Time Weighted Average	
	rinne weighted / weilage	

- UFI Unique Formula Identifier
- UN United Nations
- VOC Volatile Organic Compound
- vPvB Very Persistent and Very Bioaccumulative

CLASSIFICATION ACCORDING TO EC 1272/2008:

Classifica	ation and procedure used to de	rive the cla	ssification for mixture:	
Skin Sens	51	H317	Calculation method	
L TEXT OF	HAZARD STATEMENTS:			
H226	Flammable liquid and vapour			
H301	Toxic if swallowed.			
H302	Harmful if swallowed.			
H310	Fatal in contact with skin.			
H311	Toxic in contact with skin.			
H314	Causes severe skin burns an	d eye dama	age.	
H315	Causes skin irritation.			
H318	Causes serious eye damage			
H319	Causes serious eye irritation.			
H330	Fatal if inhaled.			
H334	May cause allergy or asthma	symptoms	or breathing difficulties if inhaled	

- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.

FULL TEXT OF PRECAUTIONARY STATEMENTS:

EUH210	Safety data sheet available on request.
P272	Contaminated work clothing should not be allowed out of the workplace.
P321	Specific treatment (see the label).
P362+P364	Take off contaminated clothing and wash it before reused.
P501	Dispose of contents/container in accordance with local, regional and national regulations.

ISSUED BY:

Chemical/R&D Department

Amano Pioneer Eclipse Corporation

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