



SAFETY DATA SHEET

Conforms to 1907/2006/EC - (EU) 2020/878

Issued: 02 Nov 2022

Supersedes: 24 July 2020

FIRST STEP™

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

1.1 PRODUCT IDENTIFIER

Product Name: First Step Floor Sealer Product Number: 401L5

1.2 RELEVANT IDENTIFIED USES OF THE MIXTURE AND USES ADVISED AGAINST

Product intended for commercial and industrial use only.
 Intended Use: Water-based 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:
 EUH208 Contains Benzisothiazolinone. May produce an allergic reaction.
 Precautionary Statements: 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)*
Dipropylene glycol monomethyl ether [†]	252-104-2	5 - < 10	34590-94-8	01-2119450011-60	none	none
Tributoxyethylphosphate	201-122-9	1 - < 5	78-51-3	01-2119485835-23	AquaChr3	H412
1,2-Benzisothiazol-3(2H)-one	220-120-9	< 0.05	2634-33-5	01-2120761540-60	AcuteTox 4 Skin Irrit 2 Eye Dam 1 Skin Sens 1 AquaAcute1	H302, H312 H315 H318 H317 H400

[†] 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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Ingredient	EC No.	CAS No.	Specific Concentration Limits
1,2-Benzisothiazol-3(2H)-one	220-120-9	2634-33-5	(0.05 ≤C≤ 100) Skin Sens 1, H317

SECTION 4: FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

- Eye Contact:** In case of eye contact, immediately rinse with clean water for 10-15 minutes. If eye irritation persists: Get medical advice/attention.
- Skin Contact:** Wash skin with mild soap and 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:** Rinse mouth. Do NOT induce vomiting. Give water to drink. Seek medical advice immediately and show this container or label.

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. Redness.
- Skin Contact:** None expected under normal use. Contact during a long period may cause mild irritation.
- 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. 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

Use fire fighting measures that suit the environment. 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 splash above 100°C.

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. 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.



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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:

Ingredient	Source	TWA (8hours)		STEL (Short term)		Note(s)
		ppm	mg/m ³	ppm	mg/m ³	
Dipropylene glycol monomethyl ether (2-methoxymethylethoxy)-propanol CAS# 34590-94-8	ACGIH TLV	100	606	150	909	Skin
	EU (2000/39/EC)	50	308	-	-	Skin
	NO Administrative Norm	50	300	-	-	H
	NL - Grenswaarde TGG	-	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: Under normal use of this product, eye protection not necessary. If there is a risk of liquid being splashed: Wear eye protection. Safety glasses or goggles (EN166).

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. (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)

Hygiene Measures: 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 liquid
Odour:	slight odor characteristic of raw material, no added fragrance
Melting point/Freezing point:	± 0 °C
Boiling point/Boiling range:	± 95 °C
Flammability:	Does not maintain combustion.
Lower and upper explosion limits:	No test data available
Flash Point:	> 93°C
Auto-ignition temperature:	No test data available
Decomposition temperature:	No test data available
pH:	8 - 9
Kinematic viscosity:	< 10 mm ² /s



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Solubility: Water, completely soluble
Partition coefficient n-octanol/water [log Pow]: -0.46 (calculated value)
Vapor pressure: 23.4 hPa
Density: 1.02 g/cm³
Relative vapor density: No test data available
Particle characteristics: Not applicable to liquids

9.2 OTHER INFORMATION

9.2.1 - Information with regard to physical hazard class:

Oxidising properties: Not established

Explosive properties: Not established

9.2.2 - Other safety characteristics:

Relative evaporation rate (butylacetate=1): < 1

VOC: 5.24%

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 HAZARD CLASSES AS DEFINED BY 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.

Components details are given below:

Component	CAS #	LD50 Oral	LD50 Dermal	LC50 Inhalation (Dust/Mist)
Tributoxyethylphosphate	78-51-3	3000 mg/kg	data not available	data not available
1,2-Benzisothiazol-3(2H)-one	2634-33-5	1020 mg/kg	4115 mg/kg	100 mg/l/4h

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 INFORMATION ON OTHER HAZARDS

11.2.1 Endocrine disrupting properties: None known

11.2.2 Other information: No additional information available



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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 details are given below:

Component	CAS #	LC50 fish (96 h)	EC50 Daphnia (48 h)	EC50 algae (72 h)
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	data not available
1,2-Benzisothiazol-3(2H)-one	2634-33-5	2.18 mg/kg	2.94 mg/kg	0.11 mg/l

12.2 PERSISTENCE AND DEGRADABILITY:

Component	CAS #	Biodegradation
Tributoxyethylphosphate	78-51-3	Readily biodegradable

12.3 BIOACCUMULATIVE POTENTIAL:

Product/Component	CAS #	Partition coefficient n-octanol/water (Log Pow)
First Step Floor Sealer	mixture	-0.46 (calculated)
Dipropylene glycol monomethyl ether	34590-94-8	3.75
Tributoxyethylphosphate	78-51-3	1.01
1,2-Benzisothiazol-3(2H)-one	2634-33-5	0.7

- 12.4 MOBILITY IN SOIL:** No additional information available.

12.5 RESULTS OF PBT AND vPvB ASSESSMENT:

First Step 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.
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- 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.



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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 This mixture is not classified as hazardous according to EC 1272/2008.

SECTION 16: OTHER INFORMATION

REVISION INFORMATION:

02 Nov 2022 - Revisions per (EU) 2020/878; § 3, 4, 5, 6, 9, 11, 12, 14, 15 & 16

ABBREVIATIONS:

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
TWA	Time Weighted Average
UN	United Nations
VOC	Volatile Organic Compound
vPvB	Very Persistent and Very Bioaccumulative

CLASSIFICATION ACCORDING TO EC 1272/2008:

Product is not classified as hazardous.

FULL TEXT OF HAZARD STATEMENTS:

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled
H400	Very toxic to aquatic life.
H412	Harmful to aquatic life with long lasting effects.

FULL TEXT OF PRECAUTIONARY STATEMENTS:

EUH210 Safety data sheet available on request.

ISSUED BY:

Chemical/R&D Department
Amano Pioneer Eclipse Corporation

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