SAFETY DATA SHEET

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

Issued: May 9, 2018

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 RELEVENT 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: Contains Benzisothiazolinone. 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)*
Dipropylene glycol monomethyl ether†	252-104-2	5 - 10	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*

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 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. Rinse mouth. Seek medical advice.

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

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

SECTION 5: FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

All known extinguishants can be used.

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

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

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
	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: 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: 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:	8.5
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:	1.023 kg/L @ 20ºC
Solubility:	miscible in water
Partition Coefficient (n-octanol/water):	-0.46
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: 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 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)
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
Tributoxyethylphosphate	78-51-3	24 mg/l	Daphnia, 75 mg/l	data not available

12.2 PERSISTANCE AND DEGRADABILITY:

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

12.3 BIOACCUMULATIVE POTENTIAL:

Product/Component	CAS #	Partition coefficient n- octanol/water (LogPow)
First Step Floor Sealer	mixture	-0.46 (calculated)
Dipropylene glycol monomethyl ether	34590-94-8	3.75
Tributoxyethylphosphate	78-51-3	1.01

12.4 MOBILITY IN SOIL: No additional information available.

12.5 RESULTS OF PBT AND vPvB ASSESSMENT: Not applicable

12.6 OTHER ADVERSE EFFECTS: None known

12.7 ADDITIONAL INORMATION: 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 This mixture is not classified as hazardous according to EC 1272/2008.

SECTION 16: OTHER INFORMATION

REVISION INFORMATION:
May 9, 2018 - SDS issue

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

FULL TEXT OF HAZARD STATEMENTS:
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