

I. IDENTIFICATION OF THE MIXTURE (PREPARATION) AND OF THE COMPANY/UNDERTAKING

1.1 PRODUCT IDENTIFIER

Product Name: First Step Floor Sealer

Product Number: 401

1.2 RELEVANT IDENTIFIED USES OF THE MIXTURE AND USES ADVISED AGAINST

Water-based Floor Sealer
 Product intended for commercial and industrial use only.

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

Manufacturer:
 Amano Pioneer Eclipse Corporation
 P.O. Box 909
 1 Eclipse Road
 Sparta, NC 28675 USA
 Telephone: +1 336 372 8080
 Internet: www.pioneereclipse.com
 E-mail: msds@pioneer-eclipse.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)

2. HAZARDS IDENTIFICATION

2.1 CLASSIFICATION OF THE MIXTURE (PREPARATION)

This mixture (preparation) has been classified and labeled according to EC 1272/2008 (1999/45/EC).

2.2 LABEL ELEMENTS

EU Classification: Not classified as hazardous (dangerous)
 Hazard pictogram (symbol): None
 Hazard Statements (R- Phrases): None
 Precautionary Statements (S- phrases): None

2.3 OTHER HAZARDS

No other hazards are known to the supplier.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1/3.2 MIXTURES

Hazardous Ingredients (1272/2008)	EC No.	Weight %	CAS No.	Hazard Class	Hazard Statements *
diethylene glycol monomethyl ether	203-906-6	0.5 – 1.5	111-77-3	Repr. Cat 2	H361d

* See section 16 for the full text of listed Hazard Statements

Dangerous Ingredients (1999/45/EC)	EC No.	Weight %	CAS No.	Symbol	R-phrases *
diethylene glycol monomethyl ether	203-906-6	0.5 – 1.5	111-77-3	Repr. Cat 3	R63

* See section 16 for the full text of listed R-phrases

4. FIRST AID MEASURES

4.1 DESCRIPTION OF FIRST AID MEASURES

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.
 Skin contact: Wash off with plenty of water. If irritation develops, seek medical attention.
 Eye contact: Rinse with plenty of water. If irritation develops, seek medical attention.

4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

This mixture (preparation) is not expected to produce significant adverse health effects when recommended use instructions are followed.

Inhalation: None expected under normal use.
 Ingestion: None expected under normal use.
 Skin contact: May be mildly irritating.
 Eye contact: May be mildly irritating.

4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

No information available.

5. FIRE FIGHTING MEASURES

5.1 EXTINGUISHING MEDIA

Dry chemical, water spray, foam, carbon dioxide

5.2 SPECIAL HAZARDS ARISING FROM THE MIXTURE

Hazardous combustion products: None

5.3 ADVICE FOR FIRE FIGHTERS

Unusual fire and explosion hazards: Materials can splatter above 100°C/212°F.
 Special firefighting procedures: No special firefighting procedures recommended.

6. ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Refer to Section 8 for appropriate personal protective equipment.

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.

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, product may coagulate. Keep container sealed when not in use. Keep out of reach of children.

7.3 SPECIFIC END USE(S): No information available

8. EXPOSURE CONTROL/PERSONAL PROTECTION

8.1 CONTROL PARAMETERS

Occupational Exposure limits:

Component Name:	Source / Date	Value / Units	Type
2-(2-methoxyethoxy) ethanol [diethylene glycol monomethyl ether]	(EU)-2006/15/EC 2006	50.1 mg/m ³ 10 ppm	8hr TWA Notation SKIN

8.2 EXPOSURE CONTROLS

Engineering controls: Ensure adequate general ventilation.
Environmental exposure controls: No specific environmental exposure controls required.

PERSONAL PROTECTION

Respiratory protection: No specific personal protection is required.
Hand protection: Rubber gloves recommended
Eye protection: Safety glasses recommended
Skin protection: If major exposure is possible, wear suitable protective clothing such as rubber boots, apron, etc.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Appearance: thin, milky white, opaque liquid	Odor: slight solvent odor
Odor threshold: N/E	pH: 8.5
Melting point/Freezing Point: N/A	Initial boiling point/boiling range: 100°C
Flash point: > 93°C	Evaporation Rate: less than water
Upper/lower flammability/explosive limits: N/A	Vapor pressure: less than water
Vapor density: greater than air	Relative density: 1.03 kg/L @ 20°C
Solubility: 100% soluble in water	Partition coefficient (n-octanol/water): N/E
Auto-ignition temperature: N/A	Decomposition temperature: N/E
Viscosity: < 5 centipoise @ 20°C	Explosive Properties: N/A
Oxidizing properties: Not an oxidizer	

9.2 OTHER INFORMATION

VOC: 1.91%

10. STABILITY AND REACTIVITY

- 10.1 REACTIVITY:** None known
10.2 CHEMICAL STABILITY: Stable under normal conditions.
10.3 POSSIBILITY OF HAZARDOUS REACTIONS: None known.
10.4 CONDITIONS TO AVOID: None known.
10.5 INCOMPATIBLE MATERIALS: Strong acids and bases.
10.6 HAZARDOUS DECOMPOSITION PRODUCTS: None known.

11. TOXICOLOGICAL INFORMATION

11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

MIXTURE (PREPARATION) SUMMARY

Toxicity testing has not been completed on the mixture.

LOCAL EFFECTS

Skin contact: None expected.
Eye Contact: None expected
Sensitization: None expected
Chronic effects: None expected

SPECIFIC EFFECTS

Carcinogenicity:	None known
Reproductive effects:	None known
Teratogenicity:	None known
Mutagenicity:	None known

COMPONENT SUMMARY *

diethylene glycol monomethyl ether CAS# 111-77-3

LD₅₀: (oral, rat) >7000mg/kg

Potential Health Effects

Eye: May cause eye irritation.
Skin: Essentially non-irritating to skin
Ingestion: Very low toxicity if swallowed.
Inhalation: No adverse effects anticipated.
Chronic: Possible risk to unborn child
Carcinogenicity: Not listed as a carcinogen.

*Component data recorded from available sources pertaining to individual component CAS number.

12. ECOLOGICAL INFORMATION

MIXTURE (PREPARATION) SUMMARY

Ecological testing has not been completed on the mixture.

- 12.1 TOXICITY:** No data available.
- 12.2 PERSISTENCE AND DEGRADABILITY:** No data available.
- 12.3 BIOACCUMULATIVE POTENTIAL:** No data available.
- 12.4 MOBILITY IN SOIL:** No data available.
- 12.5 RESULTS OF PBT AND vPvB ASSESSMENT:** No data available.
- 12.6 OTHER ADVERSE EFFECTS:** No data available.

COMPONENT SUMMARY *

diethylene glycol monomethyl ether CAS# 111-77-3

LC50, 96 hr Fathead minnow 5741 mg/l

EC50, 48hr Daphnia magna 1192 mg/l

Environmental Fate: Material is ultimately biodegradable and has a low bioconcentration potential.

*Component data recorded from available sources pertaining to individual component CAS number.

13. DISPOSAL CONSIDERATIONS

13.1 WASTE TREATMENT METHODS

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

14. TRANSPORT INFORMATION

Not regulated for transport. Follow all local, regional and national recommendations for transport of non-hazardous chemical products.

- 14.1 UN NUMBER:** N/A
- 14.2 UN PROPER SHIPPING NAME:** N/A
- 14.3 TRANSPORT HAZARD CLASSES:** N/A
- 14.4 PACKING GROUP:** N/A
- 14.5 ENVIRONMENTAL HAZARDS:** N/A
- 14.6 SPECIAL PRECAUTIONS FOR USER:** N/A
- 14.7 TRANSPORT IN BULT ACCORDING TO ANNEX II OF MAPROL73/78 AND THE IBC CODE:** N/A

15. REGULATORY INFORMATION

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

EINECS STATUS: Ingredients are included in the EINECS/ELINCS/NLP inventories.

NATIONAL REGULATIONS: No additional national regulations are known to the supplier.

- 15.2 CHEMICAL SAFETY ASSESSMENT:** No information available.

16. OTHER INFORMATION

REVISION INFORMATION:

10/13/2013 – revision conforming to 1907/2006/EC amendment 453/2010 Annex I

ABBREVIATIONS:

N/A = Not Applicable
N/E = Not Established
N/L = Not Listed

FULL TEXT OF HAZARD STATEMENTS:

H361d – Suspected of damaging the unborn child.

FULL TEXT OF RISK PHRASES:

R63 – Possible risk of harm to the unborn child

ISSUED BY:

Chemical/R&D Department
Amano Pioneer Eclipse Corporation