

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

Product Name: First Step Sealer
Product Use: Floor sealer

Product Number: 401

Manufacturer Address:
 Amano Pioneer Eclipse Corp.
 P.O. Box 909
 1 Eclipse Road
 Sparta, NC 28675 USA

Contact Information:
 Telephone: +1 336 372 8080
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 E-mail: MSDS@pioneer-eclipse.com

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

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

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

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

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

EFFECTS AND SYMPTOMS

Inhalation: None known
Ingestion: None known
Skin contact: May be mildly irritating.
Eye contact: May be mildly irritating.

FIRST AID MEASURES

Inhalation: No specific measures required.
Ingestion: No specific measures required.
Skin contact: Immediately wash off with plenty of water. If irritation develops, get medical attention.
Eye contact: Immediately rinse with plenty of water. If irritation develops, get medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing media: Dry chemical, water spray, foam, carbon dioxide
Hazardous combustion products: None
Unusual fire and explosion hazards: Materials can splatter above 100°C/212°F.
Special fire fighting procedures: No special fire fighting procedures recommended.

6. ACCIDENTAL RELEASE MEASURES

Put on appropriate personal protective equipment (see Section 8).

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. Keep spills and cleaning runoff out of sewers and open bodies of water.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Use only in well-ventilated areas. Avoid breathing vapours or spray mists. Remove and wash contaminated clothing and footwear before re-use.

Storage: 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.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Exposure limit values:

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

Exposure 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

Appearance : thin, milky white, opaque liquid

Odor threshold: N/E

Melting point/Freezing Point: N/A

Flash point: non-combustible

Upper/lower flammability/explosive limits: N/A

Vapor density: greater than air

Solubility: 100% soluble in water

Auto-ignition temperature: N/A

Viscosity: <5 centipoise @ 20°C

Oxidizing properties: Not an oxidizer

Odor: non-ammoniated

pH: 8.5 ± 0.5

Initial boiling point/boiling range: 100°C

Evaporation Rate: less than water

Vapor pressure: less than water

Relative density: 1.03 kg/l @ 20°C

Partition coefficient (n-octanol/water): N/E

Decomposition temperature: N/E

Explosive Properties: N/A

Other information: N/A

10. STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions

Hazardous Reactions: None known

Conditions to avoid: None known

Incompatible materials: Strong acids and bases

Hazardous decomposition products: None known

11. TOXICOLOGICAL INFORMATION

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.

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. Practically non-toxic to aquatic organisms

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

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

Not regulated for transport.

15. REGULATORY INFORMATION

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

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

16. OTHER INFORMATION

Hazard Statements: (for listed components in Section 3)

H361d – Suspected of damaging the unborn child.

Precautionary Statements: (for listed components in Section 3)

P201 – Obtain special instructions before use.

P202 – Do not handle until all safety precautions have been read and understood.

P281 – Use personal protective equipment as required.

P308 + 313 – If exposed or concerned: Get medical advice/attention.

P405 – Store locked up.

P501 – Dispose of contents/container in accordance to local/regional/national/international regulations.



SAFETY DATA SHEET

Conforms to 1907/2006/EC
Issued: 04/01/2011 Supercedes: 01/11/2010

FIRST STEP SEALER

R (Risk) Phrases: *(for listed components in Section 3)*

R63 – Possible risk of harm to the unborn child

S (Safety) Phrases: *(for listed components in Section 3)*

S2 – Keep out of the reach of children.

S36/37 – Wear suitable protective clothing and gloves.

Abbreviations:

N/A = Not Applicable

N/E = Not Established

N/L = Not Listed

Issued by:

Chemical/R&D Department

Amano Pioneer Eclipse Corporation

Revision Information:

04/01/2011 – revisions conforming to 1907/2006/EC amendment 453/2010