

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

1.1 PRODUCT IDENTIFIER

Product Name: Eclipse Hard Floor Sealer

Product Number: 403

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 *
propylene glycol monobutyl ether	225-878-4	1 – 5	5131-66-8	Eye Irrit. 2 Skin Irrit. 2	H319 H315
(2-methoxymethylethoxy)-propanol	252-104-2	1 – 5	34590-94-8	None	None

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

Dangerous Ingredients (1999/45/EC)	EC No.	Weight %	CAS No.	Symbol	R-phrases *
propylene glycol monobutyl ether	225-878-4	1 – 5	5131-66-8	Xi (Irritant)	R36/38
(2-methoxymethylethoxy)-propanol	252-104-2	1 – 5	34590-94-8	None	None

* 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-methoxymethylethoxy)-propanol	(EU)-2000/39/EC 2000	308 mg/m ³ 50ppm	8hr TWA Notation SKIN
(2-methoxymethylethoxy)-propanol	(US) ACGIH 2010	100 ppm	8 hr TWA SKIN
(2-methoxymethylethoxy)-propanol	(US) OSHA 2010	100 ppm	8hr TWA 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: 7.8
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: 1.02 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: <10 centipoise @ 20°C	Explosive Properties: N/A
Oxidizing properties: Not an oxidizer	

9.2 OTHER INFORMATION

VOC: 7.02%

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 *

propylene glycol monobutyl ether CAS# 5131-66-8

LD₅₀: (oral, rat) 5660 mg/kg

Potential Health Effects

Eye: May cause moderate eye irritation.

Skin: May cause moderate skin irritation with local redness.

Ingestion: Low toxicity if swallowed in small amounts.

Inhalation: Low toxicity if swallowed in small amounts.

Chronic: No known effect.

Carcinogenicity: Not listed as a carcinogen.

(2-methoxymethylethoxy)-propanol CAS# 34590-94-8

LD₅₀: (oral, rat) 5220 mg/kg

Potential Health Effects

Eye: May cause minor eye irritation.

Skin: Repeated or prolonged contact may cause slight skin irritation.

Ingestion: No significant symptoms expected.

Inhalation: No significant symptoms expected.

Chronic: Prolonged or repeated contact may cause dermatitis

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 *

propylene glycol monobutyl ether CAS# 5131-66-8

LC₅₀, 96 hr guppy (*Poecilia reticulata*) 560-1000 mg/l

LC₅₀, water flea (*Daphnia magna*) >1000 mg/l

Environmental Fate: Material is readily biodegradable. Bioconcentration potential is low.

(2-methoxymethylethoxy)-propanol CAS# 34590-94-8

LC₅₀, 96 hr fathead minnow >10000 mg/l

EC₅₀, 48hr *Daphnia* >5000 mg/l

Environmental Fate: Expected to be readily biodegradable and not expected to bioaccumulate significantly.

*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:

H315- Causes skin irritation.

H319- Causes serious eye irritation.

FULL TEXT OF RISK PHRASES:

R36/38- Irritating to eyes and respiratory system.

ISSUED BY:

Chemical/R&D Department

Amano Pioneer Eclipse Corporation