

ECLIPSE HARD FLOOR SEALER

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

Product Name: Eclipse Hard Floor Sealer
Product Use: Floor sealer

Product Number: 403

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

Contact Information:
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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 *
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

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.

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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-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

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: >93°C
Upper/lower flammability/explosive limits: N/A
Vapor density: greater than air
Solubility: 100% soluble in water
Auto-ignition temperature: N/A
Viscosity: <10 centipoise @ 20°C
Oxidizing properties: Not an oxidizer

Odor: slight solvent
pH: 7.8 ± 0.5
Initial boiling point/boiling range: 100°C
Evaporation Rate: less than water
Vapor pressure: less than water
Relative density: 1.019 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 *

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.

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: This material is 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

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:

H315- Causes skin irritation.

H319- Causes serious eye irritation.

Risk Phrases:

R36/38- Irritating to eyes and respiratory system.

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 Section 11 & 12

08/26/2010 – revisions conforming to 1907/2006/EC amendment 453/2010

01/11/2010 – revisions conforming to 1907/2006/EC