



# MATERIAL SAFETY DATA SHEET

Conforms to 2001/58/EC Issued: 13/10/2005

## PRODUCT NAME: ECLIPSE HARD FLOOR SEALER

### I. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

<b>PRODUCT NAME</b>	: Eclipse Hard Floor Sealer	Product Number: 403
<b>PRODUCT USE</b>	: Floor sealer	

<b>MANUFACTURER</b>	: Pioneer Eclipse Corp.	
<b>P.O.BOX</b>	: 909	
<b>ADDRESS</b>	: 1 Eclipse Road, Sparta NC28675, USA	
<b>PHONE</b>	: +1 336 372 8080	

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation: Preparation

#### INFORMATION ON HAZARDOUS INGREDIENTS

Chemical Name	Einecs No.	Weight %	CAS No.	Symbol	R phrases
Dipropylene glycol methyl ether	252-104-2	1-5	34590-94-8	none	none
Propylene glycol n-butyl ether	225-878-4	1-5	5131-66-8	Xi (irritant)	R36/38

\*See section 16 for the full text of relevant R phrases

### 3. HAZARDS IDENTIFICATION

**Physical/chemical hazards:** No physical or chemical hazards have been reported or are known.  
**Human health hazards:** This product is not dangerous according to the EU regulations (67/548/EEC-1999/45/EC).  
**Environmental hazards:** On the basis of available information this material/preparation is not expected to produce any significant adverse environmental effects when used as directed.

### 4. FIRST AID MEASURES

#### 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 wash out with 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.

## PRODUCT NAME: ECLIPSE HARD FLOOR SEALER

**Special fire fighting procedures:** None

### 6. ACCIDENTAL RELEASE MEASURES

**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. 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 skin and eyes.

**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	Carcinogenic Listing*
Propylene glycol n-butyl ether	HSE (UK) / 2000	150 ppm 474 mg/m <sup>3</sup>	8 HRS / TWA	N/L
Propylene glycol n-butyl ether	ELV (IE) / 1999	150 ppm 474 mg/m <sup>3</sup>	8 HRS / TWA	N/L
Dipropylene Glycol Methyl Ether	US (ACGIH) / 2005	100 ppm	8 HRS / TWA	N/L
Dipropylene Glycol Methyl Ether	US (OSHA) / 2005	100 ppm skin	8 HRS / PEL TWA	

\*1 = OSHA, 2 = IARC, 3 = NTP, 4 = Others, N/L = Not Listed

**Exposure controls:** No special ventilation requirements. Ensure adequate general ventilation.

#### OCCUPATIONAL EXPOSURE CONTROLS

**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.

**Environmental exposure controls:** No specific environmental exposure controls required.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### GENERAL INFORMATION

**Appearance:** Thin milky white opaque liquid

**Odour:** Slight solvent

#### IMPORTANT HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION

**pH:** 7.50 to 8.00

**Boiling point/boiling range:** 100°C

## PRODUCT NAME: ECLIPSE HARD FLOOR SEALER

**Flash point:** none  
**Oxidizing properties:** Not an oxidizer  
**Relative density:** 1.019 kg/l @ 20°C  
**Partition coefficient (n-octanol/water):** Not determined  
**Vapour density:** Greater than air  
**Other information:** Forms a clear film upon drying

**Explosive properties:** None  
**Vapour pressure:** Less than water  
**Solubility:** 100% soluble in water  
**Viscosity:** less than 25 CPS @ 20°C  
**Evaporation rate:** Less than water

### 10. STABILITY AND REACTIVITY

**Conditions to avoid:** None known  
**Materials to avoid:** None known  
**Hazardous decomposition products:** None known

### 11. TOXICOLOGICAL INFORMATION

#### COMPONENT SUMMARY

Propylene glycol n-butyl ether

**LD<sub>50</sub>:** (Oral) rat 5660 mg/kg  
**LD<sub>50</sub>:** (Skin) rabbit 3100 mg/kg

#### Potential Health Effects

**Eye:** May cause moderate eye irritation.  
**Skin:** May cause skin irritation.  
**Ingestion:** Low toxicity if swallowed.  
**Inhalation:** Brief exposure is not likely to cause adverse effects.  
**Chronic:** Not available.  
**CARCINOGENICITY:** Not expected to occur.

Dipropylene Glycol Methyl Ether

**LD<sub>50</sub>:** (Oral) rat 5.35 g/kg,  
**LD<sub>50</sub>:** (Skin) rabbit 9.5 g/kg

#### Potential Health Effects

**Eye:** Moderately irritating to eyes.  
**Skin:** Mild skin irritation.  
**Ingestion:** Small amount swallowed not likely to cause injury. Larger amounts may cause injury.  
**Inhalation:** Slightly irritating. May cause drowsiness and dizziness.  
**Chronic:** Minor liver or kidney damage. May have anesthetic or narcotic effects.  
**CARCINOGENICITY:** Not expected to occur.

#### PREPARATION SUMMARY

**Acute Toxicity:**  
LD50 estimated to be greater than 2000 mg/kg.

#### LOCAL EFFECTS

**Skin contact:** Irritating to skin upon repeated or prolonged contact.  
**Eye contact:** Slightly irritating.  
**Sensitization:** None known  
**Chronic effects:** None known

**PRODUCT NAME: ECLIPSE HARD FLOOR SEALER****SPECIFIC EFFECTS**

<b>Carcinogenicity:</b>	None known
<b>Reproductive effects:</b>	None known
<b>Teratogenicity:</b>	None known
<b>Mutagenicity:</b>	None known

**12. ECOLOGICAL INFORMATION****COMPONENT SUMMARY****Dipropylene Glycol Methyl Ether**

**Ecotoxicity:** This material is expected to be non-hazardous to aquatic species.

<u>Test type</u>	<u>Species</u>	<u>Value / Units</u>
LC50 / 96 HOURS	fathead minnow	10,000 mg/l

**Environmental Fate:**

This material is volatile and water soluble. It may enter soil and may contaminate water.

This material is likely to evaporate from dry soil but not from water. It is not expected to adsorb onto soils or sediments. Theoretical BOD (Closed Bottle Test) 77 - 84% (28 day)

**Bioaccumulation:** No relevant studies identified.

**Biodegradation:** This material is expected to be readily biodegradable in acclimated systems.

**Propylene glycol n-butyl ether:** not classified

**Ecotoxicity:** This material is expected to be non-hazardous to aquatic species.

<u>Test type</u>	<u>Species</u>	<u>Value / Units</u>
LC50 / 96 HOURS	fathead minnow	1060 mg/l

**Environmental Fate:** It is soluble in water. It may enter soil and may contaminate water. It is not expected to adsorb onto soils or sediments. BOD (Modified MITI Test)= 82 to 95% ThOD (28 day) BOD (Closed Bottle Test)= 92% ThOD (28 day)

**Bioaccumulation:** No relevant studies identified.

**Biodegradation:** This material is expected to be readily biodegradable.

**13. DISPOSAL**

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

**14. TRANSPORT INFORMATION****INTERNATIONAL TRANSPORTATION REGULATIONS:**

This product is not classified for transportation under ADR/IMDG regulations.

**UN number:** not applicable

**Packing group:** not applicable

**LAND-ROAD/RAILWAY**

**Proper shipping name:** not applicable

**ADR/RID class:** not applicable

**ADR/RID item number:** not applicable

**SEA**

**Proper shipping name:** not applicable

**IMDG class:** not applicable



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AIR

<b>Proper shipping name:</b>	not applicable
<b>ICAO class:</b>	not applicable
<b>Medical First Aid Guide (MFAG):</b>	not applicable
<b>Emergency Schedules (EmS):</b>	not applicable
<b>Marine Pollutant:</b>	none

### 15. REGULATORY INFORMATION

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

#### EU REGULATIONS

**EU Classification:** Classified as non-hazardous according to current legislation (67/548/EEC, 1999/45/EC).

**EINECS Status:** All ingredients are included in the EINECS inventories.

**CANADA CPR Status:** This product has been classified in accordance with the hazard criteria of the *Controlled Products Regulations* and the MSDS contains all the information required by the *Controlled Products Regulations*.

### 16. OTHER INFORMATION

#### Relevant R-phrases

R36/38: Irritating to eyes and skin

#### Issued by:

Genie G Bost, Regulatory Affairs Manager

#### Revision Information:

13/10/2005, conforming to 2001/58/EC