



# MATERIAL SAFETY DATA SHEET

Conforms to 2001/58/EC Issued: 29/09/2005

**PRODUCT NAME: StarShine Drain Treatment**

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

<b>PRODUCT NAME</b>	: StarShine Drain Treatment	Product Number: 322
<b>PRODUCT USE</b>	: Bacterial Drain Treatment	

<b>MANUFACTURER</b>	: Pioneer Eclipse Corp.	
<b>P.O.BOX</b>	: 909	
<b>ADDRESS</b>	: 1 Eclipse Road, Sparta, North Carolina, 28675, 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
** There are no hazardous ingredients in this product **					

## 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.  
**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.



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**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:** None established  
**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:** Milky White liquid

**Odour:** Neutral Perfume

### IMPORTANT HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION

**pH:** 6.75 to 7.25

**Flash point:** None

**Oxidizing properties:** Not an oxidizer

**Relative density:** 1.015 kg/l @ 20°C

**Partition coefficient (n-octanol/water):** Not determined

**Vapour density:** Greater than air

**Other information:** N/A

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

**Explosive properties:** None

**Vapour pressure:** Less than water

**Solubility:** 100% soluble in water

**Viscosity:** <5 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

### PREPARATION SUMMARY

**Acute Toxicity:** LD<sub>50</sub> estimated to be greater than 5000 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

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### 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

### PREPARATION SUMMARY

<b>Ecotoxicity:</b>	This preparation is highly soluble in water. Limited toxicity tests and models indicate this preparation should exhibit low toxicity to aquatic organisms.
<b>Environmental fate:</b>	This preparation will biodegrade relatively rapidly in both soil and water, and will not persist in the environment. Due care should be taken to avoid accidental releases to aquatic or terrestrial systems.
<b>Bioaccumulation:</b>	Because of this preparation's high solubility and rapid biodegradability, it is unlikely that bioaccumulation will occur in aquatic or terrestrial systems. Models estimate that this material will preferentially partition to water versus air or soil. Based on available information, this preparation is not expected to produce any significant adverse environmental effects when used as directed.

## 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

#### AIR

**Proper shipping name:** not applicable  
**ICAO class:** not applicable

**Medical First Aid Guide (MFAG):** not applicable  
**Emergency Schedules (EmS):** not applicable  
**Marine Pollutant:** none

## 15. REGULATORY INFORMATION

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



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## 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

**Issued by:**

Genie G Bost, Regulatory Affairs Manager

**Revision information:**

29/09/2005, revision conforming to 2001/58/EC