

## PRODUCT NAME: ECLIPSE CARPET ENZYME PRE-SPRAY

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

<b>PRODUCT NAME</b>	: Eclipse Carpet Enzyme Pre-Spray	Product Number: 826SK
<b>PRODUCT USE</b>	: Carpet Enzyme Prespray	

<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
Sodium carbonate	207-838-8	20-25	497-19-8	Xi (irritant)	R36
Sodium metasilicate	229-912-9	20-25	6834-92-0	C (Corrosive) Xi (irritant)	R34, R37
Sodium tripolyphosphate	231-838-7	20-25	7758-29-4	None	None
Trisodium phosphate	231-509-8	20-25	10101-89-0	C (Corrosive)	R34, R36, R38
Polyethoxylated alcohol	Not established	1-6	Not established	None	None

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

### 3. HAZARDS IDENTIFICATION

**Physical/chemical hazards:** Corrosive.  
**Human health hazards:** Corrosive to the eye.  
**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:** May cause respiratory irritation.  
**Ingestion:** May cause gastro-intestinal irritation.  
**Skin contact:** May cause irritation.  
**Eye contact:** Causes irritation, corrosive.

#### FIRST AID MEASURES

**Inhalation:** Remove to fresh air, if breathing is difficult, consult physician.  
**Ingestion:** Give large quantity of water, induce vomiting, get medical attention.  
**Skin contact:** Wash with soap and water, if irritation persists, consult physician.  
**Eye contact:** Flush with water, if irritation persists, consult physician.

### 5. FIRE FIGHTING MEASURES

**Extinguishing media:** CO<sub>2</sub>, dry chemical, water and foam.

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**Hazardous combustion products:** None  
**Unusual fire and explosion hazards:** None  
**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:** Do not mix with other chemicals.  
**Storage:** Store in a cool place and keep container tightly closed. Keep out of reach of children.

### 8. EXPOSURE CONTROL/PERSONAL PROTECTION

**Exposure limit values :**

Component Name:	Source / Date	Value / Units	Type	Carcinogenic Listing*
Sodium Metasilicate	US (OSHA)/2001	10 mg/m <sup>3</sup>	8 HRS / PEL	N/L
Sodium Metasilicate	US (ACGIH)/2001	15 mg/m <sup>3</sup>	8 HRS / TWA	Sodium Metasilicate

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

**Exposure controls:** Local ventilation requirements. Ensure adequate general ventilation.

### OCCUPATIONAL EXPOSURE CONTROLS

**Respiratory protection:** Not required unless product is atomized, then use a NIOSH approved respirator.  
**Hand protection:** Use non-absorbent gloves.  
**Eye protection:** Wear safety glasses or goggles.  
**Skin protection:** Protect parts of body that may come in contact with product. Wash with soap and water after contact.  
**Environmental exposure controls:** No specific environmental exposure controls required.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### GENERAL INFORMATION

**Appearance:** Yellow granular solid

**Odour:** Lemon

#### IMPORTANT HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION

**pH:** 11.0

**Flash point:** n/a

**Oxidizing properties:** n/a

**Specific gravity (H<sub>2</sub>O=1.0):** n/a

**Partition coefficient (n-octanol/water):** n/a

**Vapour density(Air=1):** n/a

**Boiling point/boiling range:** n/a

**Explosive properties:** None

**Vapour pressure:** n/a

**Solubility:** Complete solubility in water

**Viscosity:** n/a

**Evaporation rate:** n/a

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**Conditions to avoid:** Do not mix with other chemicals.

**Materials to avoid:** Strong oxidizing agents.

**Hazardous decomposition products:** Organic fumes

**11. TOXICOLOGICAL INFORMATION****COMPONENT SUMMARY**Sodium metasilicate

**LD<sub>50</sub>:** (Oral) rat 1300 mg/kg

**Potential Health Effects**

**Eye:** Causes eye irritation. Causes redness and pain.

**Skin:** Causes skin irritation. Causes redness and pain.

**Ingestion:** Harmful if swallowed. Causes digestive tract irritation with abdominal pain and vomiting.

**Inhalation:** Harmful if inhaled. Irritation may lead to chemical pneumonitis and pulmonary edema. Causes severe irritation of upper respiratory tract with coughing, and breathing difficulty.

**Chronic:** Prolonged or repeated skin contact may cause dermatitis. Prolonged or repeated eye contact may cause conjunctivitis.

**CARCINOGENICITY:** Not expected to occur.

Sodium carbonate

**LD<sub>50</sub>:** (Oral) rat 4090 mg/kg

**Potential Health Effects**

**Eye:** Causes eye irritation. Causes redness and pain.

**Skin:** Causes skin irritation. Causes redness and pain.

**Ingestion:** Harmful if swallowed. Causes digestive tract irritation with abdominal pain and vomiting.

**Inhalation:** May irritate the mucous membranes and upper respiratory tract.

**Chronic:** No data available.

**CARCINOGENICITY:** Not expected to occur.

Sodium tripolyphosphate

**LD<sub>50</sub>:** (Oral) rat 3900 mg/kg

**Potential Health Effects**

**Eye:** Causes eye irritation and redness.

**Skin:** Skin absorption not likely. May cause irritation, redness.

**Ingestion:** Ingestion of large quantities may cause irritation, nausea, vomiting, diarrhea, bluish-purple discoloration of skin, decreased blood pressure, decreased heart rate, coma.

**Inhalation:** Dust may cause upper respiratory tract irritation.

**Chronic:** No data available.

**CARCINOGENICITY:** Not expected to occur.

Trisodium phosphate

**LD<sub>50</sub>:** (Oral) rat 7400 mg/kg

**Potential Health Effects**

**Eye:** Causes eye irritation. May be severe with possible corneal damage.

**Skin:** Causes skin irritation. Causes redness and pain.

**Ingestion:** Causes irritation to the gastrointestinal tract.

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**Inhalation:** May irritation to the respiratory tract.  
**Chronic:** May cause permanent tissue damage to the eyes and skin.  
**CARCINOGENICITY:** Not expected to occur.

**PREPARATION SUMMARY**

**Acute Toxicity:** Corrosive. Oral LD50 estimated to be between 200 - 2000 mg/kg. Dermal LD50 estimated to be between 400 - 2000 mg/kg. LC50 estimated to be between 2 - 20 mg/L/4hr.

**LOCAL EFFECTS**

**Skin contact:** May cause irritation.  
**Eye contact:** Causes irritation, corrosive.  
**Sensitization:** Not available  
**Chronic effects:** Not available

**SPECIFIC EFFECTS**

**Carcinogenicity:** Not available  
**Reproductive effects:** Not available  
**Teratogenicity:** Not available  
**Mutagenicity:** Not available

**12. ECOLOGICAL INFORMATION****Sodium carbonate:**

**Ecotoxicological Data Information:** 96 hour  $LC_{50} = 265-565$  mg/L (daphnia magna) (low toxicity)  
96-hour  $LC_{50} = 300-320$  mg/L (bluegill sunfish) (low toxicity)

**PREPARATION SUMMARY**

**Ecotoxicity:** This preparation is highly soluble in water. Limited toxicity tests and models indicate this preparation should exhibit low toxicity to aquatic organisms.  
**Environmental fate:** 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.  
**Bioaccumulation:** 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:**

**UN number:** N/A      **Packing group:** N/A      **LIMITED QUANTITY EXEMPTION**

**LAND-ROAD/RAILWAY**

**Proper shipping name:** N/A  
**ADR/RID class:** N/A  
**ADR/RID item number:** N/A

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### SEA

**Proper shipping name:** N/A

**IMDG class:** N/A

### AIR

**Proper shipping name:** N/A

**ICAO class:** N/A

**Medical First Aid Guide (MFAG):** N/A

**Emergency Schedules (EmS):** N/A

**Marine Pollutant:** N/A

## 15. REGULATORY INFORMATION

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

### EU REGULATIONS

#### Hazard Symbol



#### EU Classification:

Classified as Corrosive according to current legislation (67/548/EEC, 1999/45/EC).

#### Risk Phrases:

See Section 16.

#### Safety Phrases:

**S1/2**-Keep locked up and out of reach of children.

**S13**-Keep away from food, drink and animal foodstuffs.

**S22**-Do not breathe dust.

**S24/25**-Avoid contact with skin and eyes.

**S26**-In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**S27**-Take off immediately all contaminated clothing.

**S36/37/39**-Wear suitable protective clothing, gloves and eye/face protection.

**S45**-In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

## 16. OTHER INFORMATION

#### Relevant R Phrases:

**R34**-Causes burns.

**R36**-Irritating to eyes.

**R37**-Irritating to respiratory tract.

**R38**-Irritating to skin.

#### Issued by:

Genie G Bost, Regulatory Affairs Manager

#### Revision information:

07/11/2005, revision conforming to 2001/58/EC, based on manufacturer information.