

PRODUCT NAME: ECLIPSE CARPET DYE STAIN REMOVER

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

PRODUCT NAME	: Eclipse Carpet Dye Stain Remover	Product Number: 824SK
PRODUCT USE	: Carpet Dye Stain Remover concentrate	

MANUFACTURER	: Pioneer Eclipse Corp.	
P.O.BOX	: 909	
ADDRESS	: 1 Eclipse Road, Sparta, North Carolina, 28675, USA	
PHONE	: +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
Polyethoxlyated alcohol	Not assigned		Not assigned		
Ammonium hydroxide	215-647-6		1336-21-6	C (Corrosive) N (Dangerous for the Environment)	R34, R50
Methyl naphthalene sulfonate	Not assigned		Not assigned		
2-butoxyethanol	203-905-0	3-8	111-76-2	Xn (Harmful) Xi (Irritant)	R20/21/22 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: Dangerous for the environment.

4. FIRST AID MEASURES

EFFECTS AND SYMPTOMS

Inhalation: May cause irritation of the respiratory tract.
Ingestion: Mild toxicity, may irritate gesture intestinal tract.
Skin contact: Prolonged contact will cause irritation, absorbed readily.
Eye contact: Causes irritation.

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: Water, dry chemical and foam.
Hazardous combustion products: None
Unusual fire and explosion hazards: None

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Special fire fighting procedures: None

6. ACCIDENTAL RELEASE MEASURES

Small spills: Dilute with water. 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. 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*
2-butoxyethanol	US (ACGIH) / 2001	20 PPM 74 mg/m ³ SKIN	8 HRS / TWA	N/L
2-butoxyethanol	US (OSHA) / 2001	50 PPM SKIN	8 HRS / PEL	N/L

*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: Not required unless product is atomized.

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: Clear colorless liquid with light blue fluorescence

Odour: Ammonia

IMPORTANT HEALTH, SAFETY AND ENVIRONMENTAL INFORMATION

pH: 9.7

Flash point: >100°C

Oxidizing properties: n/a

Specific gravity (H₂O=1.0): 0.99

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

Vapour density(Air=1): 1.5

Other information: N/A

Boiling point/boiling range: 212°F

Explosive properties: None

Vapour pressure: 0.88 mm Hg

Solubility: Complete solubility in water

Viscosity: <1000 cps

Evaporation rate: Same as water

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Conditions to avoid: Do not mix with other chemicals.

Materials to avoid: Strong oxidizing agents

Hazardous decomposition products: None

11. TOXICOLOGICAL INFORMATION**COMPONENT SUMMARY**

2-butoxyethanol

LD₅₀: (Oral) Rat 470 MG/KG

LD₅₀: (Skin) Rat 400 MG/KG

LC₅₀: (Inhl) Rat 450 PPM, 4 Hours

ACUTE INHALATION EFFECTS:

Short term exposure to high concentrations of vapors (300 - 600 PPM) can cause respiratory and eye irritation, CNS depression, and possible damage to kidney and liver.

ACUTE ORAL EFFECTS:

The major toxic effect in acute and sub-chronic animal studies was intra-vascular red cell hemolysis (destruction). This was often associated with secondary effects such as spleen and liver enlargement and nephropathy. Studies show that hemolysis and secondary effects are not relevant to humans.

SKIN EFFECTS: This substance is a mild skin irritant.

EYE EFFECTS: This product is expected to be an eye irritant.

Repeated Dose Toxicity:

Administration of 2-butoxyethanol to rats (855 mg/kg/day) and mice (1000 mg/kg/day) for periods of 5-6 weeks showed no effects on the testes. NTP reported testicular weight changes in rats and mice ingesting up to 6000 PPM (443 and 694 mg/kg/day in rats and mice) of 2-butoxyethanol in a 13 week drinking water study. No chemically related microscopic lesions were seen.

CARCINOGENICITY:

Not expected to occur.

COMPONENT SUMMARY

Ammonium Hydroxide

Oral: LD₅₀: 350 mg/kg (rat)

Potential Health Effects

Eye: Causes eye irritation. May be severe with possible burns and permanent eye damage.

Skin: Causes skin irritation and burns.

Ingestion: Harmful if swallowed. May cause severe and permanent damage to digestive tract. Can be fatal.

Inhalation: Causes severe irritation to upper respiratory tract. High concentrations can cause burns, pulmonary edema and death.

Chronic: May cause damage to tissues of mucous membranes, upper respiratory tract, eyes and skin. Can cause lung damage, corneal damage and development of cataracts and glaucoma.

CARCINOGENICITY: Not expected to occur.

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PREPARATION SUMMARY

LOCAL EFFECTS

Skin contact: May cause irritation.
Eye contact: Prolonged contact causes irritation, absorbed readily.
Sensitization: Not available
Chronic effects: May cause liver problems.

SPECIFIC EFFECTS

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

12. ECOLOGICAL INFORMATION

Ammonium Hydroxide

LC₅₀ (96 hr) fish < 1 mg/l

EC₅₀ (48 hr) daphnia < 1 mg/l

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:

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

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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.

EU REGULATIONS



Hazard Symbol

EU Classification: Classified as Dangerous for the Environment 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.
- S26**-In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 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).
- S46**-If swallowed, seek medical advice immediately and show this container or label.
- S61**-Avoid release to the environment.

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:

R20/21/22-Harmful by inhalation, in contact with skin and if swallowed.

R34-Causes burns.

R36/38-Irritating to eyes and skin.

R50-Very toxic to aquatic organisms.

Issued by:

Genie G Bost, Regulatory Affairs Manager

Revision information:

04/11/2005, revision conforming to 2001/58/EC, based on manufacturer information.