

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name PATCO EZ FLOOR STRIPPER
Revision date 12-Feb-2007
Company information Patco Management Inc.
 7710 Maltlage Drive
 Liverpool, NY 13090 US
Emergency CHEMTEL 1-800-255-3924
General information Phone: 1-800-466-0693

2. Hazards Identification

Emergency overview This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Causes skin and eye burns. Irritating to respiratory system.

Potential short term health effects

Eyes Avoid contact with eyes. This product causes eye burns. Risk of serious damage to eyes.

Skin Contact will irritate or burn skin. May cause toxic effects if absorbed through skin. Avoid contact with the skin.

Inhalation Irritating to respiratory system. Causes burns. Prolonged inhalation may be harmful. Do not breathe gas/fumes/vapor/spray.

Ingestion Do not ingest. May cause toxic effects if swallowed. Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus and possibly the digestive tract.

3. Composition / Information on Ingredients

Hazardous component(s)	CAS #	Percent
2-Butoxyethanol	111-76-2	< 20
Potassium hydroxide	1310-58-3	< 2.5
Ethanolamine	141-43-5	< 10

4. First Aid Measures

First aid procedures

Eye contact Immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention immediately.

Skin contact Immediately flush skin with running water for at least 20 minutes. Get medical attention if irritation develops or persists. Launder contaminated clothing before reuse.

Inhalation Move to fresh air. If breathing is difficult, give oxygen. Get medical attention, if needed.

Ingestion If swallowed, do NOT induce vomiting. Immediately give large quantities of water to drink. Get medical attention immediately.

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

5. Fire Fighting Measures

Flammable properties None known.

Extinguishing media

Suitable extinguishing media Carbon dioxide (CO2). Alcohol foam. Dry chemical.

6. Accidental Release Measures

Personal precautions Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

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Environmental precautions	Do not flush into surface water.
Methods for containment	Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewers, basements or confined areas.
Methods for cleaning up	Never return spills in original containers for re-use. Large Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Dike far ahead of liquid spill for later disposal. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly. Soak up with inert absorbent material and dispose of as hazardous waste.

7. Handling and Storage

Handling	Handle and open container with care. Avoid contact with skin and eyes.
Storage	Keep out of the reach of children. Keep this material away from food, drink and animal feed. Keep at temperatures between 0 and 49°C.

8. Exposure Controls / Personal Protection

Exposure guidelines

ACGIH - Threshold Limits Values - Ceilings (TLV-C)

Potassium hydroxide	1310-58-3	2 Mg/m3 Ceiling
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ACGIH - Threshold Limits Values - Short Term Exposure Limits (TLV-STEL)

Ethanolamine	141-43-5	6 Ppm STEL
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ACGIH - Threshold Limits Values - Time Weighted Averages (TLV-TWA)

2-Butoxyethanol	111-76-2	20 Ppm TWA
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Ethanolamine	141-43-5	3 Ppm TWA
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ACGIH - Threshold Limits Values - TLV Basis - Critical Effects

2-Butoxyethanol	111-76-2	eye and upper respiratory tract irritation
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Ethanolamine	141-43-5	eye and skin irritation
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Potassium hydroxide	1310-58-3	eye, skin and upper respiratory tract irritation
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OSHA - Final PELs - Skin Notations

2-Butoxyethanol	111-76-2	prevent or reduce skin absorption
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OSHA - Final PELs - Time Weighted Averages (TWAs)

2-Butoxyethanol	111-76-2	50 Ppm TWA; 240 mg/m3 TWA
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Ethanolamine	141-43-5	3 Ppm TWA; 6 mg/m3 TWA
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Engineering controls	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.
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Personal protective equipment

Eye / face protection	Wear as appropriate: safety glasses with side-shields or goggles
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Skin protection	Wear appropriate chemical resistant gloves. Avoid contact with the skin.
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Respiratory protection	Not normally needed. If ventilation is not sufficient to effectively prevent buildup of aerosols or vapors, appropriate NIOSH/MSHA respiratory protection must be provided.
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General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.
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9. Physical & Chemical Properties

Appearance	clear liquid
Color	Yellow green
Form	Liquid.
Odor	mild butyl
Odor threshold	Not available
pH	13.5 - 13.9
Freezing point	Not available
Boiling point	212 °F
Flash point	> 212 °F Pensky-Martens Closed Cup
Flammability limits in air, lower, % by volume	Not available

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Flammability limits in air, upper, % by volume	Not available
Vapor pressure	Not available
Vapor density	Not available
Specific gravity	1.023
Solubility (H2O)	100 %
VOC (Weight %)	22 %

10. Chemical Stability & Reactivity Information

Chemical stability	Stable at normal conditions.
Conditions to avoid	Do not freeze.
Incompatible materials	Strong acids. Strong oxidizing agents.
Hazardous decomposition products	Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
Possibility of hazardous reactions	Will not occur.

11. Toxicological Information

Acute effects	Acute LD50: 2140 mg/kg estimated, Rat, Oral Acute LD50: 1467 mg/kg estimated, Rat, Dermal Acute LC50: 3413 mg//4h estimated, Rat, Inhalation Causes burns.
Local effects	Toxic by inhalation, in contact with skin and if swallowed. May cause irreversible eye damage. Blood disorder may occur after ingestion.

12. Ecological Information

Ecotoxicity	Components of this product have been identified as having potential environmental concerns.
Environmental effects	Harmful to aquatic life.

13. Disposal Considerations

Waste codes	D002: Waste Corrosive material [pH <=2 or =>12.5, or corrosive to steel]
Disposal instructions	Dispose in accordance with all applicable regulations. This material and its container must be disposed of as hazardous waste.

14. Transport Information

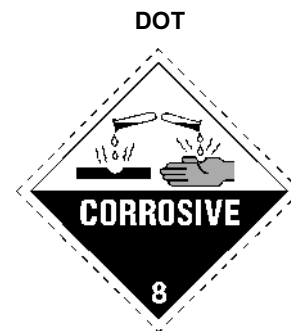
Department of Transportation (DOT) Requirements

Basic shipping requirements:

Proper shipping name	Corrosive liquids, n.o.s. (ETHANOLAMINE, POTASSIUM HYDROXIDE RQ = 23.0000 lbs)
Hazard class	8
UN number	UN1760
Packaging group	II

Additional information:

Special provisions	B2, IB2, T11, TP2, TP27
Packaging exceptions	154
Packaging non bulk	202
Packaging bulk	242
ERG number	154



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Department of Transportation (DOT) Requirements NON-BULK

Basic shipping requirements:

Proper shipping name	Corrosive liquids, n.o.s. (ETHANOLAMINE, POTASSIUM HYDROXIDE RQ = 23.0000 lbs)
Hazard class	8
UN number	UN1760
Packaging group	II

Additional information:

Special provisions	B2, IB2, T11, TP2, TP27
Packaging exceptions	154
Packaging non bulk	202
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DOT NON-BULK



IATA

Basic shipping requirements:

Proper shipping name	Corrosive liquid, n.o.s. (ETHANOLAMINE, POTASSIUM HYDROXIDE)
Hazard class	8
UN number	UN1760
Packaging group	II

Additional information:

Packaging exceptions	154
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IATA



IMDG

Basic shipping requirements:

Proper shipping name	CORROSIVE LIQUID, N.O.S. (ETHANOLAMINE, POTASSIUM HYDROXIDE)
Hazard class	8
UN number	UN1760
Packaging group	II

Additional information:

Packaging exceptions	154
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IMDG



15. Regulatory Information

US federal regulations

CERCLA/SARA - Section 313 - Emission Reporting

2-Butoxyethanol

111-76-2

1.0 Percent de minimis concentration (applies to R-(OCH₂CH₂)_n-OR' ethers, where n = 1,2, or 3, R=alkyl C7 or less or R = phenyl or alkyl subst. phenyl, R' = H or alkyl C7 or less, or OR' consisting of carboxylic acid ester, sulfate, phosphate, nitrate, or

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical Yes

CERCLA (Superfund) reportable quantity

None

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Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories Immediate Hazard - Yes
Delayed Hazard - Yes
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

Section 302 extremely hazardous substance No

Section 311 hazardous chemical Yes

International regulations The product is classified and labelled in accordance with EC directives or respective national laws.

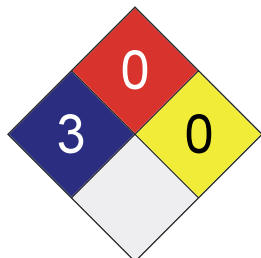
State regulations This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

16. Other Information

HMIS rating

Health	/ 3
Flammability	0
Physical Hazard	0
Personal Protection	B

NFPA codes



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Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.