

PATCO OVEN CLEANER

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name PATCO OVEN CLEANER
Revision date 09-May-2008
Company information Patco Management Inc.
7710 Maltlage Drive
Liverpool, NY 13090 US
Emergency CHEMTREC 1-800-424-9300
General information Phone: 1-800-466-0693

2. Hazards Identification

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

Potential short term health effects

Eyes Avoid contact with eyes. Will cause eye burns and permanent tissue damage.
Skin Avoid contact with the skin. Contact will irritate or burn skin.
Inhalation Do not breathe gas/fumes/vapor/spray. Irritating to respiratory system.
Ingestion Do not ingest. 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 |
|-----------------------------------|------------|---------|
| Sodium hydroxide | 1310-73-2 | < 40 |
| Diethylene glycol monobutyl ether | 112-34-5 | < 10 |
| Ethanolamine | 141-43-5 | < 10 |
| L.P.G. (liquified petroleum gas) | 68476-85-7 | < 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 Remove and isolate contaminated clothing and shoes. 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. Oxygen or artificial respiration if needed. Call a physician if symptoms develop or persist.
Ingestion If material is ingested, immediately contact a physician or poison control center. Do not induce vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.

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 Not a fire hazard. None known.

Extinguishing media

Suitable extinguishing media Use methods for the surrounding fire.

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6. Accidental Release Measures

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| Personal precautions | Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. |
| Environmental precautions | Prevent further leakage or spillage if safe to do so. |
| Methods for cleaning up | Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. |

7. Handling and Storage

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| Handling | Do not get this material in your eyes, on your skin, or on your clothing. Do not breathe gas/fumes/vapor/spray. Handle and open container with care. |
| Storage | Store in a cool place below 130F (54C). Keep in a well-ventilated place. Keep out of the reach of children. |

8. Exposure Controls / Personal Protection

Exposure guidelines

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

Sodium hydroxide 1310-73-2 2 Mg/m3 Ceiling

ACGIH - Threshold Limits Values - Short Term Exposure Limits (TLV-STEL)

Ethanolamine 141-43-5 6 Ppm STEL

ACGIH - Threshold Limits Values - Time Weighted Averages (TLV-TWA)

Ethanolamine 141-43-5 3 Ppm TWA

L.P.G. (liquified petroleum gas) 68476-85-7 1000 Ppm TWA (listed under Aliphatic hydrocarbon gases alkane C1-C4)

ACGIH - Threshold Limits Values - TLV Basis - Critical Effects

Ethanolamine 141-43-5 eye and skin irritation

L.P.G. (liquified petroleum gas) 68476-85-7 Cardiac sensitizer; CNS depression

Sodium hydroxide 1310-73-2 eye, skin and upper respiratory tract irritation

U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)

Ethanolamine 141-43-5 3 Ppm TWA; 6 mg/m3 TWA

L.P.G. (liquified petroleum gas) 68476-85-7 1000 Ppm TWA; 1800 mg/m3 TWA

Sodium hydroxide 1310-73-2 2 Mg/m3 TWA

Personal protective equipment

Eye / face protection Wear chemical goggles. or Face-shield.

Skin protection Wear appropriate chemical resistant gloves.

Respiratory protection None required where adequate ventilation conditions exist. If ventilation is not sufficient to effectively prevent buildup of aerosols or mists, appropriate NIOSH/MSHA respiratory protection must be provided.

General hygiene considerations Keep away from food and drink. Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

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|---|------------------|
| Appearance | opaque |
| Color | white |
| Form | Aerosol. Liquid. |
| Odor | acid |
| Odor threshold | Not available |
| pH | 13.5 |
| Freezing point | Not available |
| Boiling point | Not available |
| Flash point | Not available |
| Flammability limits in air, lower, % by volume | 1.8 % |
| Flammability limits in air, upper, % by volume | 9.2 % |
| Vapor pressure | Not available |

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| | |
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| Vapor density | > 1 Air = 1 |
| Specific gravity | Not available |
| Solubility (H ₂ O) | Not available |
| VOC (Weight %) | 3 % estimated |

10. Chemical Stability & Reactivity Information

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| Chemical stability | Stable at normal conditions. |
| Conditions to avoid | Avoid temperatures above 130°F (54°C). Heat, flames and sparks. Extremes of temperature and direct sunlight. |
| Incompatible materials | Acids. Dissolves aluminium and zinc slowly with formation of hydrogen. |
| Hazardous decomposition products | Contact with metals may evolve flammable hydrogen gas. |
| Possibility of hazardous reactions | Will not occur. |

11. Toxicological Information

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| Acute effects | Acute LD50: 20322 mg/kg estimated, Rat, Oral Acute LD50: 4655 mg/kg estimated, Rat, Dermal Causes burns. |
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12. Ecological Information

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

13. Disposal Considerations

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| Disposal instructions | Dispose in accordance with all applicable regulations. |
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14. Transport Information

Department of Transportation (DOT) Requirements NON-BULK

Basic shipping requirements:

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| Proper shipping name | Consumer commodity |
| Hazard class | ORM-D |

15. Regulatory Information

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| US federal regulations | All components are on the U.S. EPA TSCA Inventory List. |
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U.S. - CERCLA/SARA - Section 313 - Emission Reporting

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| Diethylene glycol monobutyl ether | 112-34-5 | 1.0 Percent de minimis concentration (applies to R-(OCH ₂ CH ₂) _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)

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| 29 CFR 1910.1200 hazardous chemical | Yes |
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CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

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

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|---|----|
| Section 302 extremely hazardous substance | No |
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Section 311 hazardous chemical Yes

International regulations

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

State regulations

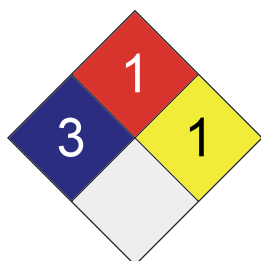
This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

16. Other Information

HMIS rating

| | |
|---------------------|-----|
| Health | * 4 |
| Flammability | 1 |
| Physical Hazard | 1 |
| 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.