

MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Material name PATCO QUARRY TILE CLEANER
Revision date 26-Mar-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 This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Contact with this material can cause irritation to the skin, eyes and mucous membranes.

Potential short term health effects

Routes of exposure Inhalation.

Eyes Contact with eyes may cause irritation.

Skin Prolonged and/or repeated skin contact may result in mild irritation or redness.

Inhalation Prolonged or excessive inhalation may cause respiratory tract irritation.

Ingestion Irritating to mouth, throat, and stomach.

Target organs Respiratory system.

3. Composition / Information on Ingredients

| Hazardous component(s) | CAS # | Percent |
|-------------------------|-----------|---------|
| Sodium Tripolyphosphate | 7758-29-4 | < 5 |
| Ethanolamine | 141-43-5 | < 2.5 |

4. First Aid Measures

First aid procedures

Eye contact Immediately flush eyes with plenty of water for at least 20 minutes. Get medical attention if irritation develops or persists.

Skin contact Wash with soap and water. Launder contaminated clothing before reuse.

Inhalation Move to fresh air.

Ingestion Give several glasses of water. Never give anything by mouth to a victim who is unconscious or is having convulsions. Obtain medical attention.

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 Use any media suitable for the surrounding fires.

6. Accidental Release Measures

Methods for cleaning up Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

7. Handling and Storage

Handling Store and handle in accordance with all current regulations and standards.
Storage Keep at temperatures between 4 and 49??C.

8. Exposure Controls / Personal Protection

Exposure guidelines

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

ACGIH - Threshold Limits Values - TLV Basis - Critical Effects

Ethanolamine 141-43-5 eye and skin irritation

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

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

Personal protective equipment

Eye / face protection Wear chemical goggles. or safety glasses with side-shields

Skin protection Wear impervious gloves for prolonged contact.

Respiratory protection Under normal conditions, respirator is not normally required. If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

9. Physical & Chemical Properties

Appearance liquid
Color light orange
Form Liquid.
Odor citrus
Odor threshold Not available
pH 11.8 - 12.2
Freezing point 30 °F Approximate
Boiling point 212 °F
Flash point > 220 °F Pensky-Martens Closed Cup
Flammability limits in air, lower, % by volume Not available
Flammability limits in air, upper, % by volume Not available
Vapor pressure Not available
Vapor density Not available
Specific gravity 1.076
Solubility (H2O) 100 %
VOC (Weight %) 2 %

10. Chemical Stability & Reactivity Information

Chemical stability Stable at normal conditions.
Conditions to avoid Do not freeze.
Incompatible materials Strong oxidizing agents. and acids
Hazardous decomposition products Carbon monoxide and carbon dioxide. and nitrogen oxides (NOx)
Possibility of hazardous reactions Will not occur.

11. Toxicological Information

| | |
|------------------------|---|
| Acute effects | Acute LD50: 9215 mg/kg, Rat, Oral |
| Local effects | Irritating to respiratory system. |
| Chronic effects | Repeated or prolonged exposure may cause irritation of eyes and skin. Chronic inhalation causes tiredness, headache and rhinitis. |

12. Ecological Information

| | |
|--------------------|---|
| Ecotoxicity | Components of this product have been identified as having potential environmental concerns. |
|--------------------|---|

13. Disposal Considerations

| | |
|------------------------------|--|
| Disposal instructions | Dispose in accordance with all applicable regulations. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. |
|------------------------------|--|

14. Transport Information

Department of Transportation (DOT) Requirements

Not regulated as dangerous goods.

Department of Transportation (DOT) Requirements NON-BULK

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

15. Regulatory Information

US federal regulations All components are on the U.S. EPA TSCA Inventory List.

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical Yes

CERCLA (Superfund) reportable quantity

PATCO QUARRY TILE CLEANER: 114000.0000

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

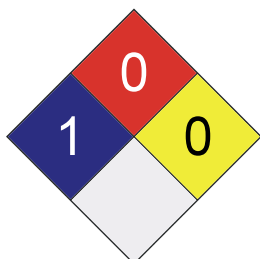
This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

16. Other Information

HMIS rating

| | |
|---------------------|-----|
| Health | / 1 |
| 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.