

DEE-LIME

SECTION 1. IDENTIFICATION

Product Identifier DEE-LIME
Recommended Use ACID DESCALER.
Restrictions on Use THIS PRODUCT IS FOR INDUSTRIAL USE ONLY. KEEP AWAY FROM CHILDREN.
Manufacturer/Supplier Identifier BBSpro Services Inc., 204-11 Burbidge St
 , Coquitlam, BC, V3K 7B2, CANADA, BBSpro, (604) 420-4305
Emergency Phone No. BBSpro, 1-877-420-4305
 CANUTEC, (613) 996-6666
SDS No. 0127

SECTION 2. HAZARD IDENTIFICATION

Classification

Acute toxicity (Oral) - Category 4; Skin corrosion - Category 1; Serious eye damage - Category 1

Label Elements



Signal Word:

Danger

Hazard Statement(s):

H302 + H312 + H332 Harmful if swallowed, in contact with skin or if inhaled.

H314 Causes severe skin burns and eye damage.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P264 Wash hands and skin thoroughly after handling.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

| Chemical Name | CAS No. | % | Other Identifiers | Other Names |
|---------------------------|-----------|-------|-------------------|-------------|
| Phosphoric acid solutions | 7664-38-2 | 20-30 | | |
| Nitric acid | 7697-37-2 | 10-20 | | |

SECTION 4. FIRST-AID MEASURES

First-aid Measures

Inhalation

Take precautions to ensure your own safety before attempting rescue (e.g. wear appropriate protective equipment).

Remove source of exposure or move to fresh air. Keep at rest in a position comfortable for breathing. Avoid mouth-to-mouth contact by using a barrier device. Call a Poison Centre or doctor if you feel unwell.

Skin Contact

Avoid direct contact. Wear chemical protective clothing if necessary. Quickly and gently blot or brush away excess chemical. Wash with plenty of water. Get medical advice or attention if you feel unwell or are concerned. Call a Poison Centre or doctor if you feel unwell. Clean clothing, shoes and leather goods.

Eye Contact

Quickly and gently blot or brush chemical off the face. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice or attention.

Ingestion

Rinse mouth with water. Call a Poison Centre or doctor if you feel unwell.

First-aid Comments

Get medical advice or attention if you feel unwell or are concerned.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Not combustible. Use extinguishing agent suitable for surrounding fire.

Specific Hazards Arising from the Product

Does not burn.

Not known to generate any hazardous decomposition products in a fire.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Environmental Precautions

It is good practice to prevent releases into the environment.

Methods and Materials for Containment and Cleaning Up

No special clean-up methods are necessary.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Do not get in eyes, on skin or on clothing. Wear personal protective equipment to avoid direct contact with this chemical.

Conditions for Safe Storage

Well-ventilated. Store in the original, labelled, shipping container.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters

| Chemical Name | ACGIH TLV® | | OSHA PEL | | AIHA WEEL | |
|---------------------------|---------------------|---------------------|---------------------|---------|-----------|-------|
| | TWA | STEL | TWA | Ceiling | 8-hr TWA | TWA |
| Phosphoric acid solutions | 1 mg/m ³ | 3 mg/m ³ | 1 mg/m ³ | | | |
| Nitric acid | 2 ppm | 4 ppm | 5 mg/m ³ | | | 1 ppm |

Appropriate Engineering Controls

Provide eyewash and safety shower if contact or splash hazard exists.

Individual Protection Measures

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Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

Respiratory Protection

Not required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

| | |
|---|--|
| Appearance | Clear. Particle Size: Not available |
| Odour | Pungent |
| Odour Threshold | Not available |
| pH | 3.0 |
| Melting Point/Freezing Point | Not available (melting); Not available (freezing) |
| Initial Boiling Point/Range | ~ 100 °C (212 °F) |
| Flash Point | Not available |
| Evaporation Rate | Not available |
| Flammability (solid, gas) | Not applicable |
| Upper/Lower Flammability or Explosive Limit | Not applicable (upper); Not applicable (lower) |
| Vapour Pressure | Not available |
| Vapour Density (air = 1) | Not available |
| Relative Density (water = 1) | Not available |
| Solubility | Soluble in water; Not available (in other liquids) |
| Partition Coefficient, n-Octanol/Water (Log Kow) | Not available |
| Auto-ignition Temperature | Not applicable |
| Decomposition Temperature | Not available |
| Viscosity | Not available (kinematic); Not available (dynamic) |
| Other Information | |
| Physical State | Liquid |
| Molecular Formula | Not available |
| Molecular Weight | Not available |
| Bulk Density | Not available |
| Surface Tension | Not available |
| Critical Temperature | Not available |
| Electrical Conductivity | Not available |
| Vapour Pressure at 50 deg C | Not available |
| Saturated Vapour Concentration | Not available |

SECTION 10. STABILITY AND REACTIVITY

Reactivity

Not reactive.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

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None expected under normal conditions of storage and use.

Conditions to Avoid

Alkaline conditions (high pH).

Incompatible Materials

Strong oxidizing agents (e.g. perchloric acid), strong bases (e.g. sodium hydroxide).
Cast iron, carbon steel.

SECTION 11. TOXICOLOGICAL INFORMATION

Information presented below is for the entire product, unless otherwise specified.

Acute Toxicity

| Chemical Name | LC50 | LD50 (oral) | LD50 (dermal) |
|---------------------------|---|------------------|---------------------|
| Phosphoric acid solutions | > 213 mg/m ³ (rat) (4-hour exposure) | 1530 mg/kg (rat) | 2740 mg/kg (rabbit) |
| Nitric acid | 1250 ppm (rat) (4-hour exposure) | Not available | Not available |

Skin Corrosion/Irritation

Corrosive based on information for closely related materials.

Serious Eye Damage/Irritation

May cause serious eye damage based on information for closely related materials.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

May be harmful based on information for closely related materials.

Skin Absorption

No information was located.

Ingestion

May be harmful based on information for closely related materials.

Aspiration Hazard

May be drawn into the lungs (aspirated) if swallowed or vomited.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

Conclusions cannot be drawn from the limited studies available.

Respiratory and/or Skin Sensitization

No information was located.

Carcinogenicity

Conclusions cannot be drawn from the limited studies available.

Reproductive Toxicity

Development of Offspring

Conclusions cannot be drawn from the limited studies available.

Sexual Function and Fertility

Conclusions cannot be drawn from the limited studies available.

Effects on or via Lactation

Conclusions cannot be drawn from the limited studies available.

Germ Cell Mutagenicity

Conclusions cannot be drawn from the limited studies available.

Interactive Effects

No information was located.

SECTION 12. ECOLOGICAL INFORMATION

Environmental information was not located.

Ecotoxicity

Studies were not located.

Persistence and Degradability

No information was located.

Bioaccumulative Potential

No information was located.

Mobility in Soil

Studies are not available.

Other Adverse Effects

There is no information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Contact local environmental authorities for approved disposal or recycling methods in your jurisdiction.

SECTION 14. TRANSPORT INFORMATION

| Regulation | UN No. | Proper Shipping Name | Transport Hazard Class(es) | Packing Group |
|--------------|--------|--------------------------|----------------------------|---------------|
| Canadian TDG | UN1805 | PHOSPHORIC ACID SOLUTION | 8 | III |
| Canadian TDG | 1760 | NITRIC ACID | 8 | II |

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

None known.

SECTION 16. OTHER INFORMATION

| | |
|------------------------------|--|
| SDS Prepared By | BBSpro |
| Phone No. | 18774204305 |
| Date of Preparation | May 19, 2021 |
| Date of Last Revision | December 13, 2021 |
| Key to Abbreviations | ACGIH® = American Conference of Governmental Industrial Hygienists AIHA® = AIHA® Guideline Foundation OSHA = US Occupational Safety and Health Administration |
| References | CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS). |

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