

# SAFETY DATA SHEET

## GREEN CHOICE LIME SCALE REMOVER

### SECTION 1 – CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT IDENTIFIER: LIME SCALE REMOVER  
 PRODUCT USE: Scale remover  
 VENDOR NAME AND ADDRESS: Alpine Specialty Chemicals Ltd.  
 9 City View Drive, Etobicoke, Ontario M9W 5A5  
 24 HOUR EMERGENCY NO. 613-996-6666 ( CANUTEC )

### SECTION 2 – HAZARDS IDENTIFICATION

#### CLASSIFICATION

- SKIN CORROSION /IRRITATION Category 1A, EYE DAMAGE IRRITATION Category 1,

#### LABEL ELEMENTS



- SIGNAL WORD: DANGER
- 1- HAZARD STATEMENT(S): “ CAUSES SKIN BURNS AND EYE DAMAGE .
- PRECAUTIONARY STATEMENTS: Wash skin thoroughly after handling. Wear chemical safety glasses and nitrile gloves. Do not mix with bleach and alkalis. Dispose of contents/containers in accordance with local regulations.
- 
- Response: - IF ON EYES: Wash with plenty of water. Get medical attention.

IF SWALLOWED: Immediately call a poison center or doctor. Rinse mouth.

### SECTION 3 – COMPOSITION / INFORMATION INGREDIENTS

| CHEMICAL NAME                | %      | CAS.NO     |
|------------------------------|--------|------------|
| Lactic Acid                  | 10-30  | 79-33-4    |
| Alcohols, C9-11, ethoxylated | 0.5 -2 | 68439-46-3 |

### SECTION 4 – FIRST AID MEASURES

**Inhalation:** Remove source of exposure or move to fresh air. Call a poison centre or doctor if you feel unwell.  
**Skin Contact:** Rinse skin with water or shower. Get medical attention or advice. Wash clothing before reuse. Clean shoes thoroughly before reuse.  
**Eye Contact:** In case of contact, immediately flush eyes with cool running water. Remove contact lenses and continue flushing with plenty of water for at least 15 minutes. Get medical attention immediately.  
**Ingestion:** If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.  
**Note to physician:** Treat symptomatically, no specific antidote. See toxicological information (section 11)

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### SECTION 5 – FIRE FIGHTING MEASURES

**Extinguishing Media:**

**Suitable Extinguishing Media:** Use water spray, fog or foam.

**Unsuitable Extinguishing Media:** None known

**Specific hazards arising from the product:** Not flammable.

**Hazardous thermal decomposition products:** Decomposition products may include the following materials: carbon dioxide, carbon monoxide.

**Advice for fire-fighters:**

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures:**

Wear suitable protective clothing. Wear eye/face protection.

**Environmental precautions:** Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.

**Methods and materials for containment and cleaning up:** Absorb/neutralize liquid material. Use a tool to scoop up solid or absorbed material and put into appropriate labeled container. Use a water rinse for final clean-up.

### SECTION 7 – HANDLING AND STORAGE

**Precautions for safe handling:** Do not ingest. Do not get in eyes, on skin, or on clothing. Avoid breathing vapours, spray or mists. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling. Do not mix with bleach or other chlorinated products, will cause chlorine gas.

**Storage Procedures:** Keep containers closed when not in use. Do not freeze. Store between the following temperatures: 5 to 40°C.

### SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

| CHEMICAL NAME                | ACGIH TLV     | STEL ( 15 min ) | OSHA PEL      |         | AIHA WEEL           |                     |
|------------------------------|---------------|-----------------|---------------|---------|---------------------|---------------------|
|                              | TWA           |                 | TWA           | Ceiling | 8 hour TWA          | Short term TWA<br>Ⓢ |
| Lactic Acid                  | Not available |                 | Not available |         | 1 mg/m <sup>3</sup> |                     |
| Alcohols, C9-11, ethoxylated | Not available |                 | Not available |         | Not available       |                     |

ACGIH= American Conference of Governmental Industrial Hygienists. TLV = Threshold Limit Value. TWA = Time-weighted Average. STEL = Short-term Exposure Limit OSHA = US Occupational Safety and Health Administration. PEL = Permissible Exposure Limits. AIHA = AIHA Guideline Foundation. WEEL = Workplace Environmental Exposure Limit.

**Appropriate Engineering Control:** Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Individual Protection Measure:**

**Eye/Face Protection:** Do not get into eyes. Wear chemical safety goggles.

**Skin Protection:** Use protective equipment necessary to prevent skin contact. Rinse with water.

**Respiratory protection:** Not required

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### SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

|  |                             |
|--|-----------------------------|
| <b>Appearance:</b>                             | Clear liquid, colourless.   |
| <b>Odour:</b>                                  | Odourless.                  |
| <b>Odor Threshold:</b>                         | Not available               |
| <b>Initial boiling point and boiling range</b> | Not available               |
| <b>pH :</b>                                    | 1.3 ( 100 % )               |
| <b>Melting Point:</b>                          | Not available               |
| <b>Thermal decomposition:</b>                  | Not available               |
| <b>Flash Point:</b>                            | Not available               |
| <b>Evaporation Rate:</b>                       | Not available               |
| <b>Flammability:</b>                           | Not available               |
| <b>Explosive Limit:</b>                        | Not available               |
| <b>Upper explosion limit:</b>                  | Not available               |
| <b>Lower explosion limit:</b>                  | Not available               |
| <b>Relative Density:</b>                       | Approx. = 1.2 ( Water = 1 ) |
| <b>Viscosity:</b>                              | Not available               |
| <b>VOC:</b>                                    | Not available               |
| <b>Solubility in water:</b>                    | Soluble                     |
| <b>Solubility in other solvents:</b>           | Not available               |
| <b>Partition coefficient: noctanol/water</b>   | Not available               |
| <b>Molecular weight:</b>                       | Not available               |
| <b>Oxidizing properties:</b>                   | Not available               |
| <b>Auto ignition temperature</b>               | Not available               |

### SECTION 10 – STABILITY AND REACTIVITY

|  |   |
|--|---|
| <b>STABILITY:</b>                        | Stable  |
| <b>INCOMPATIBILITY:</b>                  | Reactive or incompatible with bases. Do not mix with bleach or other chlorinated products - will cause chlorine gas |
| <b>HAZARDOUS DECOMPOSITION PRODUCTS:</b> | None under normal conditions of storage and use.  |
| <b>HAZARDOUS POLYMERIZATION:</b>         | Will not occur.   |
| <b>CONDITIONS TO AVOID:</b>              | Do not store near bleach.   |

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### SECTION 11 – TOXICOLOGICAL INFORMATION

| Chemical Name                | LC50          | LD50 ( rat ) | LD50 ( dermal ) rabbit |
|------------------------------|---------------|--------------|------------------------|
| Lactic Acid                  | Not Available | 3,543 mg/kg  | > 2,000 mg/kg          |
| Alcohols, C9-11, ethoxylated | Not Available | > 2000 mg/kg | > 2000 mg/kg           |

**Routes of exposure:** Skin contact, Eye contact, Ingestion.

**Eye contact:** Corrosive to eyes.

**Skin contact.** Corrosive to skin.

**Inhalation:** Irritating to respiratory system

**Ingestion:** No data available.

#### **Acute toxicity:**

**Eye contact:** No data available.

**Skin contact:** No data available.

**Inhalation:** Not known significant effects.

**Ingestion:** Not known significant effects.

**Germ cell mutagenicity:** No data available to indicate product or any components present at greater than 0.1% are mutagenic or.

**Carcinogenicity:** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA

**Reproductive toxicity:** No evidence of reproductive toxicity or developmental toxicity.

**STOT - single exposure** irritating to respiratory system.

**STOT - Not classified.**

**Aspiration hazard:** Not classified.

### SECTION 12 – ECOLOGICAL CONSIDERATION

**Eco toxicity :** This material may be harmful to aquatic life.

**Bio accumulative potential Inorganic:** The substance has no potential for bioaccumulation.

**Mobility in soil:** Not applicable.

**Other adverse effects:** Not known.

### SECTION 13 – DISPOSAL CONSIDERATIONS

**Waste Disposal:** In accordance with federal, provincial or local government requirements.

### SECTION 14 – TRANSPORT INFORMATION

**TDG Classification:** Not regulated

### SECTION 15 – REGULATORY INFORMATION

Refer to section 2.

### SECTION 16 – OTHER INFORMATION

EFFECTIVE DATE:

February 25, 2016: **Revision 1**

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#### **Disclaimer:**

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## **GREEN CHOICE LIME SCALE REMOVER**

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