

# Safety Data Sheet

## Lightning General Purpose Cleaner Degreaser Mountain Cleaning Products

Issue Date: October 2016  
Valid to: October 2021


### SECTION 1: IDENTIFICATION OF PRODUCT AND COMPANY

|                        |  |
|------------------------|--|
| Trade Name:            | Lightning General Purpose Cleaner Degreaser                                |
| Synonyms:              | NA   |
| Chemical Formula:      | NA   |
| CAS Number:            | NA   |
| Product Uses:          | General-purpose medium to heavy-duty hard surface cleaning and degreasing. |
| Supplier/Manufacturer: | Mountain Cleaning Products   |
| Address:               | 7/7/ Snow St, South Lismore, NSW 2480                                      |
| Telephone:             | 02 6622 8733   |
| Fax:                   | 02 6622 8744   |
| Email:                 | support@mountaincleaning.com.au  |
| Website:               | www.mountaincleaning.com.au  |
| Emergency Telephone:   | 13 11 26 (Poisons Information Centre)                                      |

### SECTION 2: HAZARD(S) IDENTIFICATION

| GHS Classification: | Product as sold         | Product at USE DILUTION<br>1:2 to 1:20 |
|---------------------|-------------------------|--|
|                     | Eye damage (Category 1) | Non-hazardous.                         |

### LABELLING ELEMENTS:

|                             | Product as sold   | Product at USE DILUTION |
|-----------------------------|---|-------------------------|
| Signal Word:                | Danger  | None allocated.         |
| Pictogram(s):               |  | Non-hazardous.          |
| Hazard Statement(s)         | H318 Causes serious eye damage.   | None allocated.         |
| Precautionary Statement(s): | <b>Prevention</b><br>P280 Wear eye protection.                                      | None allocated.         |
|                             | <b>Response</b>   |                         |

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|-----------|---|-----------------|
|           | P305 + P351 + P338 IF IN EYES:<br>Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P310 Immediately call a POISON CENTRE (13 11 26) or doctor. |                 |
| Storage:  | None allocated.   | None allocated. |
| Disposal: | None allocated.   | None allocated. |

### SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

| Ingredients  | CAS No.s   | Percentage (w/w) | Classification |
|--|------------|------------------|----------------|
| Water  | 7732-18-5  | > 60%            |                |
| Sodium metasilicate pentahydrate   | 10213-79-3 | < 10%            | H314 + H335    |
| 1-methoxy-2-propanol   | 107-98-2   | < 10%            | H226 + H336    |
| Other ingredients determined to be non hazardous or below concentration cut offs |            | < 10%            |                |

### SECTION 4: FIRST AID MEASURES

|                       |  |
|-----------------------|--|
| First Aid Facilities: | Normal washroom facilities. Emergency eyewash.   |
| Eye Contact:          | Immediately irrigate with copious quantities of water for at least 20 minutes. Eyelids to be held open. Avoid rinse water entering uncontaminated eye. Seek medical advice (e.g. ophthalmologist) if there are ongoing symptoms. |
| Skin Contact:         | Wash contaminated skin with plenty of water. Seek medical advice if irritation develops.   |
| Inhalation:           | Remove victim to fresh air away from exposure - avoid becoming a casualty. Allow patient to assume most comfortable position, keep warm and at rest.   |
| Ingestion:            | Do NOT induce vomiting. If conscious, rinse mouth thoroughly with water and give water to drink. If vomiting occurs, give  |

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|                    |  |
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|                    | further water to achieve effective dilution. Seek medical advice.  |
| Advice to Doctor:  | No specific antidote. Treat symptomatically. All treatments should be based on observed signs and symptoms of distress of the patient. Poisons Information Centre in each Australian State capital city or in Christchurch, New Zealand can provide additional assistance for scheduled poisons. |
| Scheduled Poisons: | Poisons Information Centre in each Australian State capital city can provide additional assistance for scheduled poisons. Phone Australia 13 11 26.  |

#### SECTION 5: FIRE FIGHTING MEASURES

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|                            |   |
|----------------------------|---|
| Fire and Explosion Hazard: | Water based, not combustible.   |
| Extinguishing Media:       | Use fine water spray, normal foam or dry agent extinguisher (carbon dioxide or dry chemical powder).  |
| Fire Fighting:             | Keep containers exposed to extreme heat cool with fine water spray. Fire fighters to wear self contained breathing apparatus if risk of exposure to products of combustion or decomposition. Evacuate area and move upwind of fire. |
| Flash Point:               | None.   |
| Hazchem Code:              | None.   |

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

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|               |  |
|---------------|--|
| Minor Spills: | Do not normally require special clean-up measures. Absorb spills and rinse area with water.  |
| Major Spills: | For example transport accident or bulk spill. Clear area of unprotected personnel. Prevent spillage from entering drains or watercourses. Wear appropriate protective equipment (see section 8) to prevent skin and eye contamination. Contain spillage, then cover/absorb spill into dry, inert material (e.g. sand, earth or vermiculite), collect and place into suitable containers, appropriately labeled, for disposal by an approved agent according to local conditions. Spillage area may remain slippery. Flush spill area with water. If contamination of sewers or waterways has occurred advise the local emergency services. |

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|      |   |
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|      | In the event of a large spillage notify the local environment protection authority or emergency services. |
| PPE: | Personal protective equipment advice is contained in Section 8 of this document.                          |

### SECTION 7: HANDLING AND STORAGE

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|           |   |
|-----------|---|
| Handling: | Avoid eye contact. Avoid contact with incompatible materials. Always wash hands with water after handling.  |
| Storage:  | Store in a cool, dry place with good ventilation. Avoid storing in aluminium or light alloy containers. Store away from incompatible materials (see Section 10 of this SDS). Keep containers closed at all times and check regularly for leaks. |

### SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

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OCCUPATIONAL EXPOSURE LIMITS: None established for this product.

| Ingredient           | TWA                  | STEL                 | Notes |
|----------------------|----------------------|----------------------|-------|
| 1-methoxy-2-propanol | 369mg/m <sup>3</sup> | 553mg/m <sup>3</sup> |       |

|                           | Product as sold   | Product at USE DILUTION<br>1:2 to 1:20 |
|---------------------------|---|--|
| Personal Protection:      | Use good occupational work practice.  | None required.                         |
| Engineering Controls:     | Ensure ventilation is adequate.   | None required.                         |
| Eye and Face Protection:  | Safety glasses or chemical goggles to handle in quantity or when decanting.   | None required.                         |
| Hand and Skin Protection: | None required under normal use conditions. When using large quantities or where heavy contamination is likely, wear gloves. | None required.                         |
| Inhalation Protection:    | Not normally required under normal use conditions. Where a  | None required.                         |

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mist inhalation risk exists wear a filter/apparatus that meets AS/NZS 1715 and AS/NZS 1716.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

|                           |                   |                                       |               |
|---------------------------|-------------------|---------------------------------------|---------------|
| Appearance:               | Blue clear liquid |                                       |               |
| Odour:                    | Faint citrus      | Vapour Pressure:                      | Not available |
| Odour Threshold:          | Not available     | Vapour Density:                       | Not available |
| pH:                       | > 12.0 neat       | Relative Density (Water=1):           | 1.13 @ 25 °C  |
| Melting/Freezing Point:   | 0 °C approx.      | Water Solubility:                     | Soluble       |
| Boiling Point:            | 100 °C approx.    | Partition Coefficient n-Octanol/Water | Not available |
| Flash Point:              | None              | Auto-ignition Temperature             | Not available |
| Evaporation Rate:         | Not available     | Decomposition Temperature             | Not available |
| Flammability:             | Not flammable     | Viscosity                             | Non viscous   |
| Upper/Lower Flammability: | Not available     |                                       |               |

### SECTION 10: STABILITY AND REACTIVITY

|                                     |  |
|-------------------------------------|--|
| Reactivity:                         | Low.   |
| Chemical Stability:                 | Stable under normal conditions of storage and handling.  |
| Possibility of Hazardous Reactions: | None known under conditions of normal use. Product can decompose on combustion to form carbon monoxide, carbon dioxide and other, possibly toxic, gases and vapours. |
| Conditions to Avoid:                | Extremes of temperature and excessive direct sunlight.   |
| Incompatible Materials:             |  |

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### SECTION 11: TOXICOLOGICAL INFORMATION

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|                 |   |
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| Inhaled:        | Breathing in mists or aerosols may result in respiratory irritation.  |
| Skin Contact:   | Extended contact with concentrated product may cause irritation.  |
| Eye Contact:    | Contact will cause stinging, blurring, watering and pain.   |
| Ingestion:      | Swallowing can result in nausea.  |
| Acute Toxicity: | Not toxic. No LD50 data available for this product. For active constituent, sodium metasilicate pentahydrate:<br>Oral LD50 (mouse) – 11700mg/kg<br>For active constituent, 1-methoxy-2-propanol (at 50%):<br>Oral LD50 (rat) - > 5000mg/kg<br>Dermal LD50 (rabbit) – 13-14gm/kg |
| Chronic:        | No information available.   |

### SECTION 12: ECOLOGICAL INFORMATION

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|                                |   |
|--------------------------------|---|
| Ecotoxicity:                   | Not toxic by calculation.<br>Avoid contaminating waterways. The product is alkaline. If large spills occur and are not neutralised, a water pH rise could be responsible for an environmental effect on aquatic organisms (pH> 9 can have an effect on fish, with possible fish death and pH> 8.5 can be destroying for algae).<br>No LC50 data available for this product. |
| Persistence and Degradability: | Individual components stated to be biodegradable.   |
| Bioaccumulative Potential:     | Not tested.   |
| Mobility in Soil:              | Not tested.   |
| Other Adverse Affects:         | None known.   |

### SECTION 13: DISPOSAL CONSIDERATIONS

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|                   |  |
|-------------------|--|
| Disposal Methods: | Refer to Waste Management Authority. Dispose of material |
|-------------------|--|

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through a licensed waste contractor. Decontamination and destruction of containers should be considered.

### SECTION 14: TRANSPORT INFORMATION

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|                                      |                       |
|--------------------------------------|-----------------------|
| ADG Code Classification:             | Not a dangerous good. |
| UN No.:                              | NA                    |
| Proper Shipping Name:                | NA                    |
| Transport Hazard Class:              | NA                    |
| Packing Group:                       | NA                    |
| Hazchem Code:                        | NA                    |
| Environmental Hazards for Transport: | NA                    |

### SECTION 15: REGULATORY INFORMATION

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SUSMP (Poison Schedule): S5 - CAUTION.

### SECTION 16: OTHER INFORMATION

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|           |   |
|-----------|---|
| Acronyms: | ADG – Australian Code for the Transport of Dangerous Goods by Road and Rail.<br>AICS – Australian Inventory of Chemical Substances.<br>CAS No. – Chemical Abstract Service Number used to uniquely identify chemical compounds.<br>GHS – Globally Harmonised System.<br>HAZCHEM – An emergency action code that gives information to emergency services during transport emergencies.<br>IARC – International Agency for Research on Cancer.<br>LD50 – Lethal Dose, 50%/median Lethal Dose.<br>Mg/m <sup>3</sup> – Milligrams per cubic metre.<br>PPM – Parts per million.<br>STEL – Short Term Exposure Limit.<br>STOT – SE/RE – Specific Target Organ Toxicity (single/repeated |
|-----------|---|

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|                        |   |
|------------------------|---|
|                        | <p>exposure).</p> <p>SUSMP – Standard for the Uniform Scheduling of Medicines and Poisons.</p> <p>TWA/OEL – Time Weighted Average or Occupational Exposure limit.</p>   |
| Literature References: | <p>Australian Code For The Transport Of Dangerous Goods By Road And Rail – 7th Edition.</p> <p>Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice. December 2011 – Safe Work Australia.</p> <p>GHS Hazardous Chemical Information List - September 2014 – Safe Work Australia.</p> <p>Guidance on the Classification of Hazardous Chemicals under the WHS Regulations. April 2012 - Safe Work Australia.</p> <p>Global Harmonized System of Classification and Labelling of Chemicals (GHS). Fifth revised edition.</p> <p>List of Designated Hazardous Substances [NOHSC: 10005(1999)]</p> <p>Standard for the Uniform Scheduling of Medicines and Poisons. June 2016.</p> <p>Material Safety Data Sheets for individual raw materials – all suppliers.</p> <p>Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008(1999)].</p> |
| Revision History:      | Rev 1.0 Initial SDS for GHS compliance.   |
| Prepared By:           | Mountain Cleaning Products Regulatory Service.  |

**END OF SDS**