

# Safety Data Sheet

**HDC**

Mountain Cleaning Products

Issue Date: May 2016

Valid to: May 2021


## SECTION 1: IDENTIFICATION OF PRODUCT AND COMPANY

|                        |                                       |
|------------------------|---------------------------------------|
| Trade Name:            | HDC Cleaner Degreaser                 |
| Synonyms:              | NA                                    |
| Chemical Formula:      | NA                                    |
| CAS Number:            | NA                                    |
| Product Uses:          | Heavy duty 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: | May be corrosive to metals.<br>Skin corrosion (Category 1A). |
|---------------------|--|

### LABELLING ELEMENTS:

|                             |   |
|-----------------------------|---|
| Signal Word:                | Danger  |
| Pictogram(s):               | <br>Corrosive  |
| Hazard Statement(s):        | H290 May be corrosive to metals.<br>H314 Causes severe skin burns and eye damage.   |
| Precautionary Statement(s): | <b>Prevention</b><br>P234 Keep only in original container.<br>P260 Do not breathe fumes/gas/mist/vapours/spray.<br>P264 Wash hands thoroughly after handling.<br>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. |

# Safety Data Sheet

**HDC**

Mountain Cleaning Products

Issue Date: May 2016

Valid to: May 2021

|           |   |
|-----------|---|
|           | <b>Response</b><br>P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.<br>P303 + P361 + P353 IF ON SKIN (or hair): Immediately take off all contaminated clothing. Rinse skin with water/shower.<br>P363 Wash contaminated clothing before reuse.<br>P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.<br>P305 + P351 + P338 IF IN EYES: 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.<br>P321 Specific treatment, see First Aid Measures on this Safety Data Sheet.<br>P390 Absorb spillage to prevent material damage. |
| Storage:  | P405 Store locked up.<br>P406 Store in corrosive resistant container.   |
| Disposal: | P501 Dispose of contents/container to an approved waste disposal plant.   |

## SECTION 3: COMPOSITION AND INFORMATION ON INGREDIENTS

| Ingredients  | CAS No.s   | Percentage (w/w) | Classification              |
|--|------------|------------------|-----------------------------|
| Water  | 7732-18-5  | > 60%            |                             |
| Potassium hydroxide  | 1310-58-3  | < 10%            | H290 + H314                 |
| Sodium metasilicate pentahydrate   | 10213-79-3 | < 5%             | Below concentration cut off |
| Other ingredients determined to be non hazardous or below concentration cut offs |            | < 10%            |                             |

## SECTION 4: FIRST AID MEASURES

|                       |   |
|-----------------------|---|
| First Aid Facilities: | Normal washroom facilities. Safety shower and emergency eye wash.   |
| Eye Contact:          | Immediately irrigate with copious quantities of water for at least 30 minutes. Eyelids to be held open. Avoid rinse water |

# Safety Data Sheet

**HDC**

**Mountain Cleaning Products**

Issue Date: May 2016

Valid to: May 2021

|                    |  |
|--------------------|--|
|                    | entering uncontaminated eye. Seek medical advice (e.g. ophthalmologist) if there are ongoing symptoms.   |
| Skin Contact:      | Remove contaminated clothing. Immediately wash contaminated skin with plenty of water. Seek medical advice if irritation, burning or redness develops.   |
| Inhalation:        | Remove victim to fresh air away from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position, keep warm and at rest. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have qualified person give oxygen through a facemask. If breathing has stopped apply artificial respiration at once. Seek immediate medical advice. |
| Ingestion:         | Do NOT induce vomiting. Do NOT attempt to give anything by mouth to an unconscious person. If conscious, rinse mouth thoroughly with water and give water to drink. If vomiting occurs, give further water to achieve effective dilution. Seek medical advice.   |
| Advice to Doctor:  | No specific antidote. Treat symptomatically for chemical burns. 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

|                            |   |
|----------------------------|---|
| Fire and Explosion Hazard: | Not combustible. Can react with metals to produce flammable hydrogen gas.   |
| 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. |

# Safety Data Sheet

## HDC

Mountain Cleaning Products

Issue Date: May 2016

Valid to: May 2021

|               |       |
|---------------|-------|
| Flash Point:  | None. |
| Hazchem Code: | 2R.   |

### SECTION 6: ACCIDENTAL RELEASE MEASURES

---

|               |   |
|---------------|---|
| Minor Spills: | Do not normally require special clean-up measures. Sweep up residues and rinse area with water.   |
| Major Spills: | For example transport accident or bulk spill. Clear area of unprotected personnel. Work up wind or increase ventilation. Prevent spillage from entering drains or watercourses. Wear appropriate protective equipment (see section 8) to prevent skin and eye contamination and inhalation of fumes. 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. Dilute weak acid may be used to neutralise residual traces of alkaline salts after flushing. If contamination of sewers or waterways has occurred advise the local emergency services. 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

---

|           |   |
|-----------|---|
| Handling: | Avoid skin and eye contact and avoid breathing in vapours. Keep out of reach of children. Always wash hands with water after handling.  |
| Storage:  | Store in a cool, dry, place with good ventilation. Avoid storing in aluminium and alloy containers. Store away from incompatible materials (see Section 10). Keep containers closed at all times when not in use. |

### SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

---

# Safety Data Sheet

**HDC**

Mountain Cleaning Products

Issue Date: May 2016

Valid to: May 2021

OCCUPATIONAL EXPOSURE LIMITS: None established for this product.

| Ingredient          | TWA                | STEL                    | Notes |
|---------------------|--------------------|-------------------------|-------|
| Potassium hydroxide | 2mg/m <sup>3</sup> | 2mg/m <sup>3</sup> Peak |       |

|                           |  |
|---------------------------|--|
| Personal Protection:      | Chemical goggles or safety glasses and rubber gloves under normal conditions of use. Face shield, gloves (LONG), coveralls, apron and rubber boots where contamination is likely.  |
| Engineering Controls:     | Ensure ventilation is adequate. Avoid generating mists of product. Where an inhalation risk exists, mechanical extraction ventilation is recommended to maintain vapour levels below recommended exposure standard.      |
| Eye and Face Protection:  | Chemical goggles, safety glasses or face shield.   |
| Hand and Skin Protection: | Wear impervious PVC or rubber gloves (long) to dispense. When using large quantities or where heavy contamination is likely, wear coveralls and footwear that provides protection against acids/alkalis and a PVC apron. |
| Inhalation Protection:    | Not normally required under normal use conditions. Where an inhalation risk exists wear a respirator that meets AS/NZS 1715 and AS/NZS 1716.   |

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

|             |                        |
|-------------|------------------------|
| Appearance: | Clear, dark red liquid |
|-------------|------------------------|

|                         |                |                                       |                     |
|-------------------------|----------------|---------------------------------------|---------------------|
| Odour:                  | Citrus         | Vapour Pressure:                      | Not available       |
| Odour Threshold:        | Not available  | Vapour Density:                       | Not available       |
| pH:                     | >13.0 neat     | Relative Density (Water=1):           | Approx. 1.1 @ 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:            | Not relevant   | Auto-ignition Temperature             | Not available       |
| Evaporation Rate:       | Not available  | Decomposition Temperature             | Not available       |

# Safety Data Sheet

**HDC**

Mountain Cleaning Products

Issue Date: May 2016

Valid to: May 2021

|                           |               |           |             |
|---------------------------|---------------|-----------|-------------|
| Flammability:             | Not flammable | Viscosity | Non viscous |
| Upper/Lower Flammability: | Not relevant  |           |             |

## SECTION 10: STABILITY AND REACTIVITY

|                                     |  |
|-------------------------------------|--|
| Reactivity:                         | Low.   |
| Chemical Stability:                 | Stable under normal conditions of storage and handling. Reacts slowly with air, absorbing carbon dioxide, which may cause insoluble salts to form in solution. |
| Possibility of Hazardous Reactions: | Reacts vigorously with acids. Product can decompose on combustion to form carbon monoxide, carbon dioxide and other possibly toxic gases.                      |
| Conditions to Avoid:                | Avoid contact with incompatible products and storage in metal containers.  |
| Incompatible Materials:             | Acids, metals such as aluminum, tin, zinc, and their alloys, metals salts, peroxides and reducing agents.  |

## SECTION 11: TOXICOLOGICAL INFORMATION

|                 |   |
|-----------------|---|
| Inhaled:        | Breathing in mists or aerosols may produce respiratory irritation and severe burns of the respiratory tract.  |
| Skin Contact:   | Severely irritating, corrosive to skin. Burns are not immediately painful; onset of pain may be minutes to hours.   |
| Eye Contact:    | Corrosive to eyes. Contact can cause irritation; redness, corneal burns and can possibly result in permanent injury. High concentration of vapours will cause irritation. |
| Ingestion:      | Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.  |
| Acute Toxicity: | No LD50 data available for this product.<br>For active constituent, potassium hydroxide (at 100%):<br>Oral LD50 (rat) - 333mg/kg  |
| Chronic:        | No information available.   |

## SECTION 12: ECOLOGICAL INFORMATION

# Safety Data Sheet

**HDC**

**Mountain Cleaning Products**

Issue Date: May 2016

Valid to: May 2021

|                                |  |
|--------------------------------|--|
| Ecotoxicity:                   | No data available for this product.<br>For active constituent, potassium hydroxide (at 100%):<br>LC50 (Gambusia affinis (Mosquito fish)) – 80mg/l – 96h.<br>Avoid contaminating waterways. No chronic effects expected after possible localised pH effect. |
| Persistence and Degradability: | Readily biodegradable.   |
| Bioaccumulative Potential:     | Highly water soluble and unlikely to bioconcentrate in organisms.  |
| Mobility in Soil:              | Highly water soluble and mobile.   |
| Other Adverse Affects:         | None known.  |


## SECTION 13: DISPOSAL CONSIDERATIONS

---

|                   |   |
|-------------------|---|
| Disposal Methods: | Refer to Waste Management Authority. Dispose of material through a licensed waste contractor. Decontamination and destruction of containers should be considered. |
|-------------------|---|

## SECTION 14: TRANSPORT INFORMATION

---

|                                      |   |
|--------------------------------------|---|
| ADG Code Classification:             | Dangerous Goods.  |
| UN No.:                              | 1719  |
| Proper Shipping Name:                | CAUSTIC ALKALI LIQUID, N.O.S.   |
| Transport Hazard Class:              | 8 – Corrosive   |
|                                      |  |
| Packing Group:                       | III   |
| Hazchem Code:                        | 2R  |
| Environmental Hazards for Transport: | Corrosive liquid.   |

## SECTION 15: REGULATORY INFORMATION

---

# Safety Data Sheet

**HDC**

**Mountain Cleaning Products**

Issue Date: May 2016

Valid to: May 2021

|                          |           |
|--------------------------|-----------|
| SUSMP (Poison Schedule): | S6 Poison |
|--------------------------|-----------|

## SECTION 16: OTHER INFORMATION

|                   |   |
|-------------------|---|
| Abbreviations:    | ADG – Australian Code for the Transport of Dangerous Goods by Road and Rail.<br>CAS No. - Chemical Abstract Service Number used to uniquely identify chemical compounds.<br>GHS - Globally Harmonised System.<br>IARC - International Agency for Research on Cancer.<br>LD50 - Lethal Dose, 50%/median Lethal Dose.<br>Mg/m3 - Milligrams per cubic metre.<br>PPM – Parts per million.<br>STEL – Short Term Exposure Limit.<br>STOT - RE – Specific Target Organ Toxicity (repeated exposure).<br>STOT – SE - Specific Target Organ Toxicity (single exposure).<br>SUSMP – Standard for the Uniform Scheduling of Medicines and Poisons.<br>TWA/OEL – Time Weighted Average or Occupational Exposure limit. |
| Revision History: | Rev 1.0 Initial SDS for GHS compliance.   |
| Prepared By:      | Mountain Cleaning Products Regulatory Service.  |

**END OF SDS**