


| Section 1: Identification | | |
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| Common Name/Trade Name | POTASSIUM HYDROXIDE | |
| Supplier Information | Letco Medical, LLC 1316 Commerce Drive NW Decatur, AL 35601 1 (800) 239-5288 +1 (734) 843-4693 | IN CASE OF EMERGENCY: Chemtrec 1 (800) 424-9300 (24 hours) NSW Poisons Information Centre: 131 126 (24 hours) |
| Distributor Name | Bella Corp Trading Pty Ltd 6/34 Dominions Road, Ashmore QLD 4214, Australia Telephone: 07 5597 4169 Email: bellacorp@bellacorp.com.au | |
| Product Synonym(s) | Caustic Potash, Potassium Hydrate | |
| Relevant Use(s) of Product | Manufacture or Compounding of Substances | |

| Section 2: Hazards Identification | | |
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| Classification of Substance or Mixture | Corrosive to metals (Category 1), Skin corrosion/irritation (Category 1), Serious eye damage/eye irritation (Category 1), Specific target organ toxicity - single exposure (Category 3), Acute hazards to the aquatic environment (Category 3) | |
| Signal Word | Danger | |
| Hazard Statement(s) | H290 H314 H335 H402 | May be corrosive to metals Causes severe skin burns and eye damage May cause respiratory irritation Harmful to aquatic life |
| Pictogram(s) |  | |
| Precautionary Statement(s) | P233 P234 P260 P264 P271 P273 P280 P301+P330+P331 P303+P361+P353 P304+P340 P305+P351+P338 P310 P315 P363 P403 P405 P406 P501 | Keep container tightly closed. Keep only in original container. Do not breathe dust/fume/gas/mist/vapours/spray. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. IF SWALLOWED Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair) Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. continue rinsing. Immediately call a POISON CENTER or doctor/physician. Get immediate medical advice/attention. Wash contaminated clothing before reuse. Store in a well-ventilated place. Store locked up. Store in a corrosive resistant container with a resistant inner liner. Dispose of contents/container to an approved waste disposal plant. |
| Hazards Not Otherwise Classified | Corrosive to metal Category 1 Skin Corrosion/Irritation Category 1A Serious Eye Damage/Eye Irritation Category 1 Specific Target Organ Toxicity - Single Exposure Category 3 Respiratory tract irritation. | |
| Ingredient(s) with Unknown Toxicity | Acute toxicity, oral 0 % Acute toxicity, dermal 81.5 % Acute toxicity, inhalation, dust or mist 85 % | |

| Section 3: Composition/Information on Ingredients | | | |
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| Chemical Name | N/A | | |
| Common Name | Potassium Hydroxide | | |
| CAS Number | 1310-58-3 | | |
| Additional Ingredient Information | No data available | | |
| | Material | Percent | CAS |
| | Potassium hydroxide | 85.00 - 90.00% | 1310-58-3 |
| | Potassium carbonate | <=3.50% | 584-08-7 |
| Impurities and/or Stabilizing Additives | No data available | | |

Section 4: First Aid Measures

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| General Advice | Get medical advice/attention if you feel unwell. Show this safety data sheet to the doctor in attendance. |
| If Inhaled | Move to fresh air. Call a physician or poison control center immediately. Apply artificial respiration if victim is not breathing. If breathing is difficult, give oxygen. |
| In Case of Skin Contact | Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician or poison control center immediately. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes. |
| In Case of Eye Contact | Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Call a physician or poison control center immediately. In case of irritation from airborne exposure, move to fresh air. Get medical attention immediately. |
| If Swallowed | Call a physician or poison control center immediately. Do NOT induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. |
| Most Important Symptoms and Effects | Causes severe skin and eye burns. Causes digestive tract burns. Treatment: Treat symptomatically. Symptoms may be delayed. |

Section 5: Fire Fighting Measures

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| Suitable Extinguishing Media | Water spray, foam, dry powder or carbon dioxide. |
| Special Hazards Arising From the Substance/Mixture | General fire hazards: No unusual fire or explosion hazards noted. Fire may produce irritating, corrosive and/or toxic gases. |
| Special PPE and/or Precautions for Firefighters | Move containers from fire area if you can do so without risk. Use water spray to keep fire-exposed containers cool. Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and enclosed spaces, SCBA. |

Section 6: Accidental Release Measures

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| Personal Precautions, Protective Equipment and Emergency Procedures | Keep unauthorized personnel away. Ventilate closed spaces before entering them. Use personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. |
| Methods and Materials Used for Containment | Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk. Inform authorities if large amounts are involved. Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. |
| Cleanup Procedures | Sweep up and place in a clearly labeled container for chemical waste. Clean surface thoroughly to remove residual contamination. Neutralize spill area and washings with dilute acetic acid. |

Section 7: Handling and Storage

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| Precautions for Safe Handling | Avoid inhalation of dust and vapors. Do not get in eyes, on skin, on clothing. Do not taste or swallow. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. |
| Conditions for Safe Storage | Do not store in metal containers. Keep containers tightly closed. Store in cool, dry place. Store in a well-ventilated place. |

Section 8: Exposure Controls/Personal Protection

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| Components with Workplace Control Parameters | Potassium hydroxide Ceiling 2 mg/m ³ US. ACGIH Threshold Limit Values (2011) Ceil_Time 2 mg/m ³ US. NIOSH: Pocket Guide to Chemical Hazards (2016) Ceiling 2 mg/m ³ US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989) Ceiling 2 mg/m ³ US. Tennessee. OELs. Occupational Exposure Limits, Table Z 1A (06 2008) AN ESL 2 µg/m ³ US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (03 2014) ST ESL 20 µg/m ³ US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (03 2014) Ceiling 2 mg/m ³ US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants (08 2010) Potassium hydroxide - Particulate. AN ESL Health 2 µg/m ³ US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (06 2018) ST ESL Health 20 µg/m ³ US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (06 2018) Potassium carbonate - Total dust. PEL 15 mg/m ³ US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) Potassium carbonate - Respirable fraction. PEL 5 mg/m ³ |
| Appropriate Engineering Controls | Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. An eye wash and safety shower must be available in the immediate work area. Hygiene measures: Provide eyewash station and safety shower. Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. Wash contaminated clothing before reuse. Avoid contact with eyes, skin, and clothing. |
| PPE - Eye/Face Protection | Wear safety glasses with side shields (or goggles) and a face shield. |
| PPE - Skin Protection | Hand protection: Chemical resistant gloves. Other: Wear appropriate clothing to prevent reasonably probable skin contact. |
| PPE - Body Protection | Hand protection: Chemical resistant gloves. Other: Wear appropriate clothing to prevent reasonably probable skin contact. |
| PPE - Respiratory Protection | In case of inadequate ventilation use suitable respirator. High-efficiency particulate respirator with full face-piece. |

Section 9: Physical and Chemical Properties

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| Appearance | Physical state: Solid Form: Solid Color: White |
| Upper/Lower Flammability or Explosive Limits | No data available |
| Odor | Odorless |
| Vapor Pressure | 0.1 kPa (714°C) |
| Odor Threshold | No data available |
| Vapor Density | No data available |
| pH | 13.5 (5.61 g/l, 20°C) |
| Relative Density | 2.04 (20°C) |
| Melting Point/Freezing Point | 360°C |
| Solubility | Water solubility: Soluble |
| Initial Boiling Point and Boiling Range | 1,320°C |
| Flash Point | No data available |
| Evaporation Rate | No data available |
| Flammability (Solid, Gas) | No data available |
| Partition Coefficient | No data available |
| Auto-Ignition Temperature | No data available |
| Decomposition Temperature | No data available |
| Viscosity | No data available |

Section 10: Stability and Reactivity

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| Reactivity | Reacts violently with strong acids. |
| Chemical Stability | Material is stable under normal conditions. |
| Possibility of Hazardous Reactions | Hazardous polymerization does not occur. The substance is hygroscopic and will absorb water by contact with the moisture in the air. |
| Conditions to Avoid | Avoid contact with oxidizing agents. Reacts violently with strong acids. Heat. Moisture. |
| Incompatible Materials | Moisture. Oxidizing agents. Acids, Maleic Anhydride Halogens. Nitromethane. Contact with metals may evolve flammable hydrogen gas. |
| Hazardous Decomposition Products | Oxides of potassium |

Section 11: Toxicological Information

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| Acute Toxicity - LD50 Oral | Oral Product: ATEmix (Rat): 301.62 mg/kg |
| Acute Toxicity - Inhalation | No data available |
| Acute Toxicity - Dermal | No data available |
| Acute Toxicity - Eye | No data available |
| Skin Corrosion/Irritation | Causes severe skin burns. |
| Serious Eye Damage/Irritation | Causes serious eye damage. |
| Respiratory or Skin Sensitization | Not a skin nor a respiratory sensitizer. |
| Germ Cell Mutagenicity | No mutagenic components identified. |
| Carcinogenicity IARC | No carcinogenic components identified. |
| Carcinogenicity ACGIH | No data available |
| Carcinogenicity NTP | No carcinogenic components identified. |
| Carcinogenicity OSHA | No carcinogenic components identified. |
| Reproductive Toxicity | No components toxic to reproduction |
| Specific Target Organ Toxicity - Single Exposure | Respiratory tract irritation. |
| Specific Target Organ Toxicity - Repeated Exposure | None known. |
| Aspiration Hazard | Not classified. |

Section 12: Ecological Information

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| Toxicity | POTASSIUM HYDROXIDE LC 50 (Western mosquitofish (Gambusia affinis), 96 h): 80 mg/l LC 50 (Gambusia affinis, 96 h): 80 mg/l NOAEL (Gambusia affinis, 96 h): 56 mg/l |
| Persistence and Degradability | Expected to be readily biodegradable. |
| Bio-accumulative Potential | No data available |
| Mobility in Soil | The product is water soluble and may spread in water systems. |
| Other Adverse Effects | Harmful in aquatic organisms. The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms. |

Section 13: Disposal Considerations

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| Waste Treatment Methods Product | Discharge, treatment, or disposal may be subject to national, state, or local laws. |
| Waste Treatment Methods Packaging | Since emptied containers retain product residue, follow label warnings even after container is emptied. |
| Special Precautions Landfill or Incinerations | No data available |
| Other Information | No data available |

Section 14: Transport Information

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| UN Number | 1813 |
| UN Proper Shipping Name | Potassium hydroxide, solid |
| Transport Hazard Class(es) | 8 |
| Packaging Group | II |
| Environmental Hazards | Marine Pollutant: No |

Section 15: Regulatory Information

US Federal Regulations TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) None present or none present in regulated quantities. US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) None present or none present in regulated quantities. CERCLA Hazardous Substance List (40 CFR 302.4): Chemical Identity Reportable quantity Potassium hydroxide 1000 lbs. Superfund Amendments and Reauthorization Act of 1986 (SARA) Hazard categories Corrosive to metal Skin Corrosion or Irritation Serious eye damage or eye irritation Specific target organ toxicity (single or repeated exposure) SARA 302 Extremely Hazardous Substance None present or none present in regulated quantities. SARA 304 Emergency Release Notification None present or none present in regulated quantities. SARA 311/312 Hazardous Chemical Chemical Identity Threshold Planning Quantity Potassium hydroxide 10000 lbs. SARA 313 (TRI Reporting) None present or none present in regulated quantities. Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): None present or none present in regulated quantities. Version: 1.2 Revision Date: 03-05-2021 SDS_US - SDSMIX000296 10/11 Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3): Chemical Identity Reportable quantity Potassium hydroxide Reportable quantity: 1000 lbs. US State Regulations US. California Proposition 65 No ingredient requiring a warning under CA Prop 65. US. New Jersey Worker and Community Right-to-Know Act Chemical Identity Potassium hydroxide US. Massachusetts RTK - Substance List Chemical Identity Potassium hydroxide US. Pennsylvania RTK - Hazardous Substances Chemical Identity Potassium hydroxide US. Rhode Island RTK Chemical Identity Potassium hydroxide International regulations Montreal protocol Not applicable Stockholm convention Not applicable Rotterdam convention Not applicable Kyoto protocol Not applicable Inventory Status: Australia AICS: On or in compliance with the inventory Canada DSL Inventory List: On or in compliance with the inventory China Inv. Existing Chemical Substances: On or in compliance with the inventory Japan (ENCS) List: On or in compliance with the inventory Japan ISHL Listing: Not in compliance with the inventory. Korea Existing Chemicals Inv. (KECI): On or in compliance with the inventory Mexico INSQ: On or in compliance with the inventory New Zealand Inventory of Chemicals: On or in compliance with the inventory Philippines PICCS: On or in compliance with the inventory Taiwan Chemical Substance Inventory: On or in compliance with the inventory US TSCA Inventory: On or in compliance with the inventory EINECS, ELINCS or NLP: On or in compliance with the inventory

Section 16: Other Information

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| Additional Information | NFPA Hazard ID Flammability 3, Health 0, Reactivity 1, Special Hazard: CO Hazard rating: 0- Minimal; 1- Slight, 2- Moderate, 3- Serious, 4- Severe, COR: Corrosive |
| Prepared By | Zondra Moody |
| Revision Date | 11/02/2022 11:50 |

Disclaimer

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