


Safety Data Sheet

| Section 1. Identification | |
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| Product Identifier | Lift Off |
| | Version: 6 Effective Date: 15 January 2021 |
| Other Means Of Identification | None |
| Initial Supplier Identifier | Chemfax Products Ltd. 11444 – 42 Street SE Calgary, AB T2C 5C4 Tel: 403-287-2055 |
| Recommended Use and Restrictions On Use | Liquid laundry detergent. No restrictions |
| Product Family | Blend |
| Emergency Phone 1-855-887-2055 Monday - Friday 8:00am - 4:30pm MST | |

| Section 2. Hazard Identification | |
|---|---|
| Hazard Classification |  |
| Physical Hazards | None |
| Health Hazards | Skin Corrosion/Irritation – Category 2 Eye Damage/Irritation - Category 2B |
| Signal Word | Warning |
| Hazard Statement | Causes skin and eye irritation. |
| Precautionary Prevention Statement | Wash hands thoroughly after handling. Wear protective gloves. |
| Precautionary Response Statement | IF ON SKIN: Wash with plenty water. Specific treatment : Treat symptomatically. Do not induce vomiting unless directed by medical personnel. If skin irritation occurs: Get medical attention. Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. |

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| Precautionary Storage Statement | No assigned statements. |
| Precautionary Disposal Statement | Dispose of contents / container in accordance with local regulations. |
| Other Hazards | None |

| Section 3. Composition / Information on Ingredients | | | |
|--|--------------------------------|---|--------------------|
| Chemical Name | Common Name or Synonyms | CAS NO. and Other Unique Identifiers | % by weight |
| Potassium hydroxide | Caustic potash | 1310-58-3 | 1 - 10 |
| D-limonene | Terpene | 5989-27-5 | 1 - 10 |
| Balance of ingredients are considered non hazardous and constitute a proprietary blend | | | |

| Section 4. First-Aid Measures | |
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| Eye Contact | Flush eyes with water for 15 minutes. Seek medical attention. |
| Skin Contact | Flush area with water. If irritation persists seek medical attention. Launder clothing before reuse. |
| Inhalation | Remove victim to fresh air. If there is difficulty breathing, seek immediate medical attention |
| Ingestion | Give two glasses of water. Do not induce vomiting. Lay victim on left side to prevent aspiration of any vomit. Seek immediate medical attention. |
| Most Important Symptoms and Effects Both Acute and Delayed | Causes burns by all exposure routes. Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or oesophagus should be investigated - ingestion causes severe swelling, severe damage to the delicate tissue, and danger of perforation. |
| Immediate Medical Attention and Special Treatment | Treat symptomatically. |

| Section 5. Fire-Fighting Measures | |
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| Suitable and Unsuitable Extinguishing Media | Use extinguishing media suitable for the surrounding fire. |
| Hazardous Combustion Products | Oxides of carbon, sulphur and nitrogen may be produced if material is involved in a fire |



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| Specific Hazards Arising From The Product | Keep product and empty container away from heat and sources of ignition. |
| Special Protective Equipment and Precautions For Fire-Fighters | Fire-fighters should wear self-contained breathing apparatus and full protective clothing. Use water spray to cool containers and structures exposed to fire. |

| Section 6. Accidental Release Measures | |
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| Personal Precautions, Protective Equipment and Emergency Procedures | Gloves (nitrile), safety glasses and coveralls. Evacuate personnel to safe areas. Avoid contact with skin and eyes. Do not use metal tools or equipment. |
| Environmental Precautions | Large quantities of the concentrated material should not be allowed to enter surface water systems and sewers. |
| Methods and Materials For Containment and Clean-Up | Soak up or pump excess material, place in a suitable containers for disposal. Wash residues away with water. |

| Section 7. Handling and Storage | |
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| Precautions For Safe Handling | Keep containers closed when not in use |
| Conditions For Safe Storage | Store in a cool, well ventilated area. Protect from freezing. |

| Section 8. Exposure Controls / Personal Protection | | | | |
|--|--|---------------------|----------------|---------------|
| Control Parameters Potassium hydroxide | TWA: 8 Hr 2mg/m ³ (ACGIH) * Immediately Dangerous to Life and Health | STEL: 15 min | Ceiling | IDLH * |
| Exposure Controls | Local exhaust ventilation | | | |
| Appropriate Engineering Controls | Use only under a chemical fume hood. Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location. | | | |
| Individual Protective Measures | Not required under normal conditions of use. For cleaning up spills: | | | |
| Eye / Face Protection | Safety glasses | | | |
| Skin Protection | gloves (nitrile) and coverall should be worn | | | |
| Respiratory Protection | Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European | | | |

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Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

| Section 9. Physical and Chemical Properties | |
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| Appearance | Yellow liquid with citrus scent |
| Odour | Citrus scent |
| Odour Threshold | Not data |
| pH | 10 (as supplied) |
| Flash Point | No data |
| Boiling Point and Boiling Range | No data |
| Melting Point and Freezing Point | 0 °C |
| Evaporation Rate | No data |
| Flammability (solid, gas) | Not applicability |
| Upper and Lower Flammability or Explosive Limits | No data |
| Vapour Pressure | No data |
| Vapour Density | No data |
| Relative Density | 0.94 |
| Solubility | Soluble |
| Partition co-efficient, n-Octanol/Water | No data |
| Auto-ignition Temperature | No data |
| Decomposition Temperature | No data |
| Viscosity | No data |

| Section 10. Stability and Reactivity | |
|---|--|
| Reactivity | Reacts with metals and acids. |
| Chemical Stability | Stable |
| Possibility of Hazardous Reactions | Will not occur |
| Conditions to Avoid | Do not freeze |
| Incompatible Materials | Contact with strong oxidizing agents. |
| Hazardous Decomposition Products | Will not decompose under normal conditions of use. |

| Section 11. Toxicological Information | | | |
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| Component Toxicity | LD50 Oral | LD50 Dermal | LC50 Inhalation |
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| Potassium hydroxide | 273mg/kg (Rat) |
| d-limonene | 5g/kg (Rat) |
| Likely Routes of Exposure | |
| Skin: | May cause drying and redness with repeated and extended exposure. |
| Eyes: | May cause irritation of the eyes. |
| Inhalation: | Not expected to cause any problems under normal conditions of use |
| Ingestion: | May cause digestive tract disturbances. |
| Acute Toxicity Estimates (ATE) | No data |
| STOT (Specific Target Organ Toxicity) – Single Exposure | None known |
| Aspiration Toxicity | No information available |
| STOT (Specific Target Organ Toxicity) – Repeated Exposure | None known |
| Skin Corrosion / Irritation | Causes burns by all exposure routes |
| Serious Eye Damage / Irritation | Causes burns by all exposure routes |
| Respiratory or Skin Sensitization | No information available |
| Carcinogenicity | No relevant data in humans. |
| Reproductive Toxicity | |
| - Sexual Function and Fertility | No data |
| - Development of Offspring | No data |
| - Effects on or via Lactation | No data |
| Germ Cell Mutagenicity | No data |
| Interactive Effects | No data |
| Other Information | Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or oesophagus should be investigated - ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation. |

Section 12. Ecological Information

Ecotoxicity Potassium hydroxide: LC50: Mosquito Fish 80.0 mg/l



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| Persistence and Degradability | Soluble in water. Persistence is unlikely based on information available. |
| Bioaccumulative Potential | Not available |
| Biodegradability | No data |
| Mobility in Soil | Not available |
| Special Remarks | None |

Section 13. Disposal Considerations

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| Disposal Considerations | Dispose of contents / container in accordance with local regulations. |
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Section 14. Transport Information

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|-----------------------------------|----------------|
| UN Number | None |
| UN Proper Shipping Name | None |
| Transport Hazard Class(es) | None |
| Packaging Group | None |
| Environmental Hazards | Not applicable |
| Bulk Transport | Not applicable |
| Special Precaution | Not applicable |
| DOT Erg# | None |

Section 15. Regulatory Information

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| Canada – DSL Inventory | All components of this product are either on the Domestic Substances List (DSL), Non-Domestic Substances List (NDSL), or exempt |
| TSCA | All components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt |
| Additional Information | None |

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| Section 16. Other Information | |
|---|---|
| NFPA Rating | Health-1/ Flammability-0/Reactivity-0/Special Hazard-Not applicable |
| HMIS Rating | Health-1/Flammability-0/Reactivity-0/Personal Protection-See Section 8. |
| Prepared by: | Chemfax Products Ltd., Technical Department |
| Date Prepared: | 5 July, 2012 |
| Date of Latest Revision: | 15 January 2021 |
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