


# Safety Data Sheet

Section 1. Identification		
<b>Product Identifier</b>	<b>Citrus Power</b>	<b>Version: 8</b> <b>Effective Date:</b> July 10, 2017
<b>Other Means Of Identification</b>	None	
<b>Initial Supplier Identifier</b>	Chemfax Products Ltd. 11444 – 42 Street SE Calgary, AB T2C 5C4 Tel: 403-287-2055	
<b>Recommended Use and Restrictions On Use</b>	Degreaser / cleaner. No restrictions	
<b>Product Family</b>	Blend	
<b>24 Hour Emergency</b>	Canutec (613) 996-6666	

Section 2. Hazard Identification	
<b>Hazard Classification</b>	
<b>Health Hazards</b>	Skin Irritation – Category 2B Eye Damage / Irritation - Category 2B
<b>Signal Word</b>	Warning
<b>Hazard Statement</b>	Causes skin and eye irritation
<b>Precautionary Prevention Statement</b>	Wash hands thoroughly after handling. Wear protective gloves.
<b>Precautionary Response Statement</b>	IF exposed or concerned: Call a doctor/ physician. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. IF skin and eye irritation occurs or persists: Get medical advice / attention.

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<b>Precautionary Storage Statement</b>	N/A
<b>Precautionary Disposal Statement</b>	N/A
<b>Other Hazards</b>	None

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

<b>Section 4. First-Aid Measures</b>	
<b>Eye Contact</b>	Flush eyes with water for 15 minutes. Seek medical attention.
<b>Skin Contact</b>	Flush area with water. If irritation persists seek medical attention. Launder clothing before reuse.
<b>Inhalation</b>	Remove victim to fresh air. If there is difficulty breathing, seek immediate medical attention
<b>Ingestion</b>	Give two glasses of water. Do not induce vomiting. Lay victim on left side to prevent aspiration of any vomit. Seek immediate medical attention.
<b>Most Important Symptoms and Effects Both Acute and Delayed</b>	Rash. Aspiration may cause pulmonary edema and pneumonitis. Direct contact with eyes may cause temporary irritation. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis.
<b>Immediate Medical Attention and Special Treatment</b>	Provide general supportive measures and treat symptomatically. Symptoms may be delayed.

<b>Section 5. Fire-Fighting Measures</b>	
<b>Suitable and Unsuitable Extinguishing Media</b>	Use extinguishing media suitable for the surrounding fire. Do not use water jet as an extinguisher, as this will spread the fire.
<b>Hazardous Combustion Products</b>	Oxides of carbon, sulfur and nitrogen may be evolved if material is involved in a fire



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<b>Specific Hazards Arising From The Product</b>	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. This product is a poor conductor of electricity and can become electrostatically charged.
<b>Precautions for Fire-Fighters</b>	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	
<b>Personal Precautions, Protective Equipment and Emergency Procedures</b>	Gloves (nitrile), safety glasses and coveralls. Keep people away from and upwind of spill/leak. Keep out of low areas. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Use appropriate containment to avoid environmental contamination.
<b>Environmental Precautions</b>	Large quantities of the concentrated material should not be allowed to enter surface water systems and sewers.
<b>Methods and Materials for Containment and Clean-Up</b>	Soak up or pump excess material, place in a suitable containers for disposal. Wash residues away with water.

Section 7. Handling and Storage	
<b>Precautions for Safe Handling</b>	Keep containers closed when not in use
<b>Conditions for Safe Storage</b>	Store in a cool, well ventilated area.

Section 8. Exposure Controls and Personal Protection				
<b>Control Parameters</b>	<b>TWA: 8 Hr</b>	<b>STEL: 15 min</b>	<b>Ceiling</b>	<b>IDLH *</b>
d-limonene	Not established			
Potassium Hydroxide	2 mg/m <sup>3</sup> (ACGIH)			
	* Immediately Dangerous to Life and Health			
<b>Exposure Controls</b>	Local exhaust ventilation			
<b>Appropriate Engineering Controls</b>	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable,			

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	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. Eye wash facilities and emergency shower must be available when handling this product.
<b>Individual Protective Measures</b>	
<b>Eye / Face Protection</b>	Safety glasses
<b>Skin Protection</b>	Gloves (nitrile) and coverall should be worn when using this product
<b>Respiratory Protection</b>	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

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

Section 10. Stability and Reactivity	
<b>Reactivity</b>	Stable



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<b>Chemical Stability</b>	Stable
<b>Possibility of Hazardous Reactions</b>	Will not occur
<b>Conditions to Avoid</b>	None known
<b>Incompatible Materials</b>	Contact with strong oxidising agents.
<b>Hazardous Decomposition Products</b>	Will not decompose under normal conditions of use

Section 11. Toxicological Information			
Component Toxicity	LD50 Oral	LD50 Dermal	LC50 Inhalation
d-limonene	5g/kg (Rat)		
Potassium Hydroxide	273 mg/kg (rat)		
<b>Likely Routes of Exposure</b>			
<b>Skin:</b>	May cause drying and redness with repeated and extended exposure.		
<b>Eyes:</b>	May cause irritation of the eyes.		
<b>Inhalation:</b>	Not expected to cause any problems under normal conditions of use		
<b>Ingestion:</b>	May cause digestive tract disturbances.		
<b>Acute Toxicity Estimates (ATE)</b>	No data		
<b>STOT (Specific Target Organ Toxicity) – Single Exposure</b>	Not classified		
<b>Aspiration Toxicity</b>	May be fatal if swallowed and enters airways.		
<b>STOT (Specific Target Organ Toxicity) – Repeated Exposure</b>	Not classified		
<b>Skin Corrosion / Irritation</b>	Causes skin irritation.		
<b>Serious Eye Damage / Irritation</b>	Direct contact with eyes may cause temporary irritation.		
<b>Respiratory or Skin Sensitization</b>	May cause an allergic skin reaction.		
<b>Carcinogenicity</b>	None		
<b>Reproductive Toxicity</b>			
- <b>Sexual Function and Fertility</b>	This product is not expected to cause reproductive effects.		
- <b>Development of Offspring</b>	This product is not expected to cause developmental effects.		



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- <b>Effects on or via Lactation</b>	No data.
<b>Germ Cell Mutagenicity</b>	No adverse effects.
<b>Interactive Effects</b>	

<b>Section 12. Ecological Information</b>	
<b>Ecotoxicity</b>	Potassium hydroxide: LC50: Mosquito Fish 80.0 mg/l
<b>Persistence and Degradability</b>	Readily degradable
<b>Bioaccumulative Potential</b>	Will not accumulate
<b>Biodegradability</b>	No data
<b>Mobility in Soil</b>	Not available
<b>Other Adverse Effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

<b>Section 13. Disposal Considerations</b>	
<b>Disposal Considerations</b>	Dispose of in accordance with local, provincial and federal regulations.

<b>Section 14. Transport Information</b>	
<b>UN Number</b>	None
<b>UN Proper Shipping Name</b>	None
<b>Transport Hazard Class(es)</b>	None
<b>Packaging Group</b>	None
<b>Environmental Hazards</b>	Not applicable
<b>Bulk Transport</b>	Not applicable
<b>Special Precaution</b>	Not applicable
<b>DOT Erg#</b>	None

<b>Section 15. Regulatory Information</b>	
<b>Canada – DSL Inventory</b>	All components of this product are either on the Domestic Substances List (DSL) or Non-Domestic Substances List (NDSL) or exempt
<b>TSCA</b>	All components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt

<b>Additional Information</b>	None
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<b>Section 16. Other Information</b>	
<b>NFPA Rating</b>	Health-1/ Flammability-0/Reactivity-0/Special Hazard-Not applicable
<b>HMIS Rating</b>	Health-1/Flammability-0/Reactivity-0/Personal Protection-See Section 8.
<b>Prepared by:</b>	Chemfax Products Ltd., Technical Department
<b>Date Prepared:</b>	August 17, 2012
<b>Date of Latest Revision:</b>	July 10, 2017
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