


Safety Data Sheet

Section 1. Identification		
Product Identifier	Chem Pro	Version: 6 Effective Date: 9 December 2020
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	Heavy duty cleaner. Do not mix with acid.	
Product Family	Blend	
Emergency Phone	1-855-887-2055 Monday - Friday 8:00am - 4:30pm MST	

Section 2. Hazard Identification	
Hazard Classification	 <p>Skin Corrosion/Irritation – Category 1A Acute Toxicity -Oral - Category 4 Eye Damage /Irritation – Category 2B</p>
Signal Word	Danger
Hazard Statement	Causes severe skin burns and eye damage. Causes eye irritation. Harmful if swallowed.
Precautionary Prevention Statement	Do not breathe dust or mist Wash hands thoroughly after handling. Wear protective gloves, clothing, eye and face protection. Do not eat, drink or smoke when using this product.
Precautionary Response Statement	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Call a doctor if you feel unwell. IF ON SKIN (or hair): Immediately take off all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a doctor if you feel unwell.

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	<p>Specific Treatment: do not induce vomiting unless directed by medical personnel. 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.</p>
Precautionary Storage Statement	Store locked up.
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
Di-propylene glycol monomethyl ether	Methoxy propoxy ethanol	34590-94-8	1 - 10
Balance of ingredients are considered non-hazardous and constitute a proprietary blend			

Section 4. First-Aid Measures	
Eye Contact	Flush eyes with water for 15 minutes. Seek medical attention.
Skin Contact	Flush area with water. If skin is damaged seek immediate medical attention. 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	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	May cause skin burns and eye irritation.
Immediate Medical Attention and Special Treatment	Rinse affected area with plenty of water.

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Section 5. Fire-Fighting Measures	
Suitable and Unsuitable Extinguishing Media	Use extinguishing media suitable for surrounding fire
Hazardous Combustion Products	Oxides of nitrogen and carbon, potassium oxide and hydrogen
Specific Hazards Arising From The Product	None known
Special Protective Equipment and Precautions for Fire-Fighting	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	
Personal Precautions, Protective Equipment and Emergency Procedures	Gloves (neoprene), glasses, chemical resistant apron or coveralls. Evacuate all unnecessary personnel and absorb spilled product with absorbent material, such as diatomaceous earth.
Environmental Precautions	Prevent entry of spilled materials into sewers or watercourses. Dike if required.
Methods and Materials for Containment and Clean-Up	Isolate area, absorb spilled product with absorbent material, place in an appropriate container for disposal. Residues should be neutralized with a dilute solution of acetic acid, then the area washed thoroughly with water.

Section 7. Handling and Storage	
Precautions For Safe Handling	Handle with care. Empty containers may contain corrosive residues
Conditions For Safe Storage	Store in a cool, area, keep container closed at all times

Section 8. Exposure Controls / Personal Protection				
Control Parameters	TWA: 8 Hr	STEL: 15 min	Ceiling	IDLH *
Potassium Hydroxide			2 mg/m ³ (ACGIH)	
Di-propylene glycol monomethyl ether	100ppm (OEL, AB)	150ppm (OEL, AB)		
	*Immediately Dangerous to Life and Health			
Exposure Controls	Local exhaust ventilation			

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Appropriate Engineering Controls	Ensure eye wash station and safety shower are available
Individual Protection Measures	If exposure limits are exceeded:
Eye / Face Protection	Safety glasses
Skin Protection	Wear gloves (neoprene), coveralls (chemical resistant)
Respiratory Protection	Air purifying respirator, fitted with cartridges for inorganic mists must be worn.

Section 9. Physical and Chemical Properties	
Appearance	Opaque liquid
Odour	No significant odour
Odour Threshold	Not available.
pH	11 – 10 % solution
Flash Point	> 100 °C
Boiling Point and Boiling Range	No data
Melting Point and Freezing Point	No data
Evaporation Rate	No data
Flammability (solid, gas)	N/A
Upper and Lower Flammability or Explosive Limits	No data
Vapour Pressure	No data
Vapour Density	No data
Relative Density	1.045
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	Stable
Chemical Stability	Stable
Possibility of Hazardous Reactions	Will not occur
Conditions to Avoid	None known
Incompatible Materials	Avoid contact with acids.

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Hazardous Decomposition Products	None known
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Section 11. Toxicological Information			
Component Toxicity	LD50 Oral	LD50 Dermal	LC50 Inhalation
Potassium Hydroxide	273mg/kg (Rat)	No data	No data
Dipropylene Glycol Methyl Ether	5180mg/kg (Rat)	9500mg/kg (Rabbit)	>500 ppm/7h (rat)
Likely Routes of Exposure			
Skin:	May cause minor burns and severe irritation.		
Eyes:	May cause permanent corneal damage or chronic eye inflammation.		
Inhalation:	Should cause no problems under normal conditions of use.		
Ingestion:	May cause pain, digestive tract disturbances, and burns to the throat, mouth and oesophagus.		
Acute Toxicity Estimate (ATE)	No data		
STOT (Specific Target Organ Toxicity) – Single Exposure	No data		
Aspiration Toxicity	No data		
STOT (Specific Target Organ Toxicity) – Repeated Exposure	No data		
Skin Corrosion / Irritation	Corrosive to skin		
Serious Eye Damage / Irritation	May cause eye irritation		
Respiratory or Skin Sensitization	No data		
Carcinogenicity	No listed.		
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	N/A		

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Section 12. Ecological Information	
Ecotoxicity	Potassium hydroxide LC50: Mosquito fish = 80 mg/L
Persistence and Degradability	No data
Bioacumulative Potential	Not available
Biodegradability	Not available
Mobility in Soil	Not available
Other Adverse Effects	None known

Section 13. Disposal Considerations	
Disposal Considerations	Dispose of contents / container in accordance with local regulations.

Section 14. Transport Information	
UN Number	UN1814
UN Proper Shipping Name	Potassium Hydroxide Solution
Transport Hazard Class(es)	8
Packaging Group	II
Environmental Hazards	Not applicable
Bulk Transport	Not applicable
Special Precaution	Not applicable
DOT Erg#	154

Section 15. Regulatory Information	
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-2/ Flammability-0/Reactivity-1/Special Hazard-Not applicable
HMIS Rating	Health-2/Flammability-0/Reactivity-1/Personal Protection-See Section 8.
Prepared by:	Chemfax Products Ltd., Technical Department
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