

Safety Data Sheet

Section 1. Identification	
Product Identifier	CH 25
	Version: 7 Effective Date: 8 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	Degreaser, 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 Eye Damage/Irritation- Category 1A Acute Toxicity (oral) - Category 4</p>
Signal Word	Danger
Hazard Statement	May be harmful if swallowed. May cause severe skin burns and eye damage.
Precautionary Prevention Statement	Do not breathe dust or mist. Wash hands thoroughly after handling. Wear protective gloves, clothing, and eye & face protection.
Precautionary Response Statement	<p>IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Rinse mouth. Call a doctor if you feel unwell.</p> <p>IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse.</p> <p>IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a doctor.</p> <p>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>Specific treatment: do not induce vomiting unless directed by</p>

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	medical personnel.
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	15 - 30
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	Move anyone affected 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	Strongly alkaline. Causes burns. May cause permanent damage to eyes.
Immediate Medical Attention and Special Treatment	If in eye or on skin rinse with running water for several minutes. Rinse mouth and throat. Drink 1-2 glasses of water. Seek medical advice.

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	Corrosive to metals.

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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.
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Section 6. Accidental Release Measures	
Personal Precautions, Protective Equipment and Emergency Procedures	Gloves (neoprene), glasses, chemical resistant apron or coveralls. Evacuate all unnecessary personnel, isolate area, and absorb spilled product with absorbent material.
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, and 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 Potassium Hydroxide	TWA: 8 Hr	STEL: 15 min	Ceiling 2 mg/m ³ (ACGIH)	IDLH *
Exposure Controls	Local exhaust ventilation			
Appropriate Engineering Controls	Ensure safety shower and eye wash station are available.			
Individual Protective Measures				
Eye / Face Protection	Safety glasses.			
Skin Protection	Wear gloves (neoprene), coveralls - chemical resistant			
Respiratory Protection	If exposure limits are exceeded, an air purifying respirator fitted with cartridges for inorganic mists must be worn.			

Section 9. Physical and Chemical Properties	
Appearance	Yellow liquid
Odour	No odour
Odour Threshold	Not available.
pH	13.9
Flash Point	95°C
Boiling Point and Boiling Range	No data
Melting Point / 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	1.158
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 acids and metals.
Chemical Stability	Stable
Possibility of Hazardous Reactions	Will not occur
Conditions to Avoid	Extreme heat
Incompatible Materials	Avoid contact with acids, metals, organic halogen compounds, nitro compounds
Hazardous Decomposition Products	Heat and possibility of hydrogen gas

Section 11. Toxicological Information			
Component Toxicity	LD50 Oral	LD50 Dermal	LC50 Inhalation
Potassium Hydroxide	273mg/kg (Rat)	No data	No data

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Likely Routes of Exposure	
Skin:	May cause minor burns and severe irritation.
Eyes:	May cause permanent corneal damage or chronic eye inflammation
Inhalation:	May cause minor burns or irritation to the respiratory system.
Ingestion:	May cause pain, digestive tract disturbances, and burns to the throat, mouth and oesophagus.
Acute Toxicity Estimates (ATE)	Not classified
STOT (Specific Target Organ Toxicity) – Single Exposure	Not classified
Aspiration Toxicity	Not classified
STOT (Specific Target Organ Toxicity) – Repeated Exposure	Not classified
Skin Corrosion / Irritation	Corrosive
Serious Eye Damage / Irritation	Corrosive
Respiratory or Skin Sensitization	Not classified
Carcinogenicity	No listed.
Reproductive Toxicity	
- Sexual Function and Fertility	Not classified
- Development of Offspring	Not classified
- Effects on or via Lactation	Not classified
Germ Cell Mutagenicity	Not classified
Interactive Effects	Not classified
Other Information	None known

Section 12. Ecological Information	
Ecotoxicity	Potassium hydroxide LC50: Mosquito fish = 80 mg/L
Persistence and Degradability	Will not persist
Bioaccumulative Potential	Not available
Biodegradability	Not available
Mobility in Soil	Not available

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Other adverse effects	None
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Section 13. Disposal Considerations

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

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
Date Prepared:	18 August, 2011
Date of Latest Revision:	8 December 2020
Disclaimer	
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