


Safety Data Sheet

Section 1. Identification		
Product Identifier	White Magic	Version: 6 Effective Date: 5 December, 2015
Other Means Of Identification	Drain opener	
Initial Supplier Identifier	Chemfax Products Ltd. 11444 – 42 Street SE Calgary, AB T2C 5C4 Tel: 403-287-2055	
Recommended Use and Restrictions On Use	Industrial drain opener. No restriction.	
Product Family	Blend	
24 Hour Emergency	Canutec (613) 996-6666	

Section 2. Hazard Identification	
Hazard Classification	
Physical Hazards	Corrosive to Metals – Category 1
Health Hazards	Skin Corrosion/Irritation - Category 1A Eye Damage/Irritation - Category 1
Environmental Hazards	Hazardous to The Aquatic Environment – Short Term (Acute) Hazard - Category 3
Signal Word	Danger
Hazard Statement	May be corrosive to metals. Causes severe skin burns and serious eye damage. Harmful to aquatic life.
Precautionary Prevention Statement	Keep only in original packaging. Do not breathe dusts or mists. Wash hands thoroughly after handling. Wear protective gloves, clothing, eye and face protection. Avoid release to the environment.
Precautionary Response Statement	Absorb spillage to prevent material-damage. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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	<p>IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower if on clothing. Wash contaminated clothing before reuses.</p> <p>IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a doctor.</p> <p>Specific Treatment: do not induce vomiting unless directed by medical personnel.</p> <p>IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor.</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
Sodium hydroxide	caustic soda	1310-73-2	30 - 60
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 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	Rinse or wipe the inside of the mouth with water if conscious. 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 routes of exposure.
Immediate Medical Attention and Special Treatment	Chemical eye burns may require extended irrigation. Swallowing may result in burns / ulceration of the mouth, stomach and lower GI tract with subsequent stricture. Aspiration of vomit may cause lung injury. Suggest endotracheal / oesophageal control if lavage is performed.

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Section 5. Fire Fighting Measures	
Suitable and Unsuitable Extinguishing Media	Use extinguishing media suitable for surrounding fire. Water is not recommended, but may be applied in large quantities as a fine spray when other extinguishing media are not available.
Hazardous Combustion Products	Oxides of sodium.
Specific Hazards Arising From the Product	Reacts with metals with liberation of flammable hydrogen gas.
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. Isolate and restrict area access. Product reacts with water. Reaction may product heat and /or gasses. This reaction may be violent. Violent steam generation or eruption may occur upon application of direct water stream to hot liquids. Contact with some metals (magnesium, aluminum and galvanized zinc) can rapidly generate hydrogen.

Section 6. Accidental Release Measures	
Personal Precautions, Protective Equipment and Emergency Procedures	Chemical resistant (rubber / neoprene) gloves, coveralls and footwear. Secure area and evacuate unnecessary personnel.
Environmental Precautions	Do not allow spilt material to enter surface drains and watercourses.
Methods and Materials For Containment and Clean-Up	Isolate area and restrict access. Dyke the area to contain the spill. Recover material and place in a suitable container. Dilute spill with large volumes of water and neutralise with dilute acid. Neutralise the residue with a dilute solution of acetic acid. Flush area with water to remove trace residues.

Section 7. Handling and Storage	
Precautions For Safe Handling	Handle with care highly corrosive material. Avoid contact with eyes and skin. Do not ingest or inhale. Empty containers may contain hazardous product residues. SPECIAL DILUTION PROCEDURES: ALWAYS add White Magic to water, never add water to White Magic. Water should be lukewarm – never cold or hot to start. Addition of White Magic to water will cause a rise in temperature. If the White Magic becomes concentrated in one area, is added too quickly or is added to hot or cold water, a rapid temperature rise can occur, resulting in dangerous mists, boiling or spattering liquids which can cause an immediate violent eruption.

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Conditions For Safe Storage	Store in a cool dry place. Keep containers closed when not in use. Store away from incompatible materials.
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Section 8. Exposure Controls / Personal Protection				
Control Parameters Sodium hydroxide (caustic soda)	TWA: 8 Hr 2 mg/m ³ OSHA * Immediately Dangerous to Life and Health	STEL: 15 min	Ceiling	IDLH * 10 mg/m ³
Exposure Controls	Local exhaust ventilation			
Appropriate Engineering Controls	Ensure safety shower and eye wash stations are available.			
Individual Protective Measures				
Eye / Face Protection	Safety glasses			
Skin Protection	Chemical resistant (rubber/ neoprene) gloves, coveralls and footwear			
Respiratory Protection	Air purifying respirator fitted with cartridges for alkali mists if mist or aerosols are being formed.			

Section 9. Physical and Chemical Properties	
Appearance	Clear to slightly turbid, colourless liquid
Odour	Odourless
Odour Threshold	None
pH	14 – 5% solution
Flash Point	> 100 °C
Boiling Point and Boiling Range	140 - 150 °C
Melting Point and Freezing Point	12 – 14 °C
Evaporation Rate	No data
Flammability (solid, gas)	Not applicable
Upper and Lower Flammability or Explosive Limits	No data
Vapour Pressure	1 – 1.5 mmHg
Vapour Density	No data
Relative Density	1.52 – 1.53
Solubility	Soluble
Partition co-efficient, n-Octanol/Water	No data
Auto-ignition Temperature	No data
Decomposition Temperature	No data
Viscosity	No data

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Section 10. Stability and Reactivity	
Reactivity	Reacts with acids and metals
Chemical Stability	Stable
Possibility of Hazardous Reactions	Will not occur
Conditions to Avoid	Water
Incompatible Materials	Acids, glycols, water. Heat is generated when mixed with water. Spattering and boiling can occur. Flammable hydrogen may be generated from contact with metals such as aluminum, brass, tin, zinc. Avoid contact with acids, halogenated organics, organic nitro compounds, glycols. Caustic soda reacts with various reducing sugars (fructose, galactose, maltose, dry whey solids) to produce carbon monoxide. Organic materials. Nitro organic compounds.
Hazardous Decomposition Products	Oxides of sodium

Section 11. Toxicological Information			
Component Toxicity	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium hydroxide (caustic soda)	500mg/kg (Rabbit)		
Likely Routes of Exposure			
Skin:	<p>Can cause severe burns. Symptoms may include pain, severe local redness, swelling and tissue damage. Corrosive action causes burns and deep ulcerations with subsequent scarring. Prolonged contact destroys tissue. Sodium hydroxide can penetrate to deeper layers of skin and corrosion will continue until removed. Burns may not be immediately painful, pain may be delayed minutes to hours.</p> <p>May cause severe burns and even permanent blindness.</p> <p>May be corrosive to the respiratory passage. Vapours may cause pulmonary oedema (fluid in the lungs). Symptoms can be delayed for several hours.</p> <p>Inhalation of aerosols or mists can cause damage to the upper respiratory tract and lung tissue depending on the degree of exposure. Effects can range from mild irritation of the mucous membranes, severe pneumonitis (Inflammation of lung tissue) and destruction of lung tissue. Due to its corrosive nature, exposure to high concentrations of sodium hydroxide in aerosol form could cause a potentially fatal build up of fluid in the lungs (pulmonary oedema) – tightness in the chest and shortness of breath.</p>		
Eyes:			
Inhalation:			
Ingestion:			

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	Can cause severe burns to the mouth, oesophagus and stomach. Aspiration into the lungs may occur during ingestion or vomiting, resulting in lung injury.
Acute Toxicity Estimates (ATE)	500mg/kg (Rabbit)
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	Causes burns
Serious Eye Damage / Irritation	Causes burns and serious eye damage
Respiratory or Skin Sensitization	Not classified
Carcinogenicity	This substance has no evidence of carcinogenic properties.
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	None known
Other Information	None known

Section 12. Ecological Information

Ecotoxicity	Sodium hydroxide (caustic soda) LC50: 1149 mg/l (Rainbow trout) LC50: 152 mg/l (Chinook salmon)
Persistence and Degradability	Will not persist
Bioaccumulative Potential	Will not bioaccumulate
Biodegradability	Not available
Mobility in Soil	Not available
Other Adverse Effects	Toxic to aquatic life. May increase pH of waterways and adversely effect aquatic life.

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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	Not applicable
UN Proper Shipping Name	"Limited Quantity" – for 909 ml size
Transport Hazard Class(es)	Not applicable
Packaging Group	Not applicable
Environmental Hazards	Not applicable
Bulk Transport	Not applicable
Special Precaution	Not applicable
DOT Erg#	None

Section 15. Regulatory Information

Canada – DSL Inventory	All components of this product are either on the Domestic Substances List (DSL) or 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-2/Special Hazard-Not applicable
HMIS Rating	Health-2/Flammability-0/Reactivity-2/Personal Protection-See Section 8.
Prepared by:	Chemfax Products Ltd., Technical Department
Date Prepared:	16 August, 2012
Date of Latest Revision:	5 December, 2015

Disclaimer

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