


# Safety Data Sheet

Section 1. Identification		
<b>Product Identifier</b>	<b>Revelation</b>	<b>Version: 6</b> <b>Effective Date: 25 January 2021</b>
<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>	Powdered laundry detergent. Do not mix with acids.	
<b>Product Family</b>	Blend	
<b>Emergency Phone</b>	1-855-887-2055 Monday - Friday 8:00am - 4:30pm MST	

Section 2. Hazard Identification	
<b>Hazard Classification</b>	
<b>Health Hazard</b>	Skin Corrosion/Irritation – Category 1A Eye Damage/Irritation - Category 1
<b>Signal Word</b>	Danger
<b>Hazard Statement</b>	Causes severe skin burns and serious eye damage.
<b>Precautionary Prevention Statement</b>	Do not inhale dust or mist. Wash hands thoroughly after handling. Wear protective gloves, clothing, and eye & face protection.
<b>Precautionary Response Statement</b>	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Immediately take off all contaminated clothing. Rinse skin with water or shower if on clothing. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a doctor. 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. Immediately call a doctor.

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<b>Precautionary Storage Statement</b>	Store locked up.
<b>Precautionary Disposal Statement</b>	Dispose of contents / container in accordance with local regulations.
<b>Other Hazards</b>	None

Section 3. Composition / Information on Ingredients			
Chemical Name	Common Name or Synonyms	CAS NO. and Other Unique Identifiers	% by weight
Sodium metasilicate	Water glass	6834-92-0	10 - 25
Sodium hydroxide	Caustic soda	1310-73-2	1 - 5
Balance of ingredients are considered non-hazardous and constitute a proprietary blend			

Section 4. First-Aid Measures	
<b>Eye Contact</b>	Flush eyes with water for 15 minutes. Seek medical attention.
<b>Skin Contact</b>	Immediately flush skin with running water. Remove and isolate contaminated clothing and shoes. Get medical attention if irritation develops and persists.
<b>Inhalation</b>	Remove victim to fresh air. If there is difficulty breathing, seek immediate medical attention.
<b>Ingestion</b>	Do not induce vomiting. Rinse mouth with water if conscious. 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>	Headache, shortness of breath, irritation, burns, and nausea
<b>Immediate Medical Attention and Special Treatment</b>	Treat symptomatically.

Section 5. Fire-Fighting Measures	
<b>Suitable and Unsuitable Extinguishing Media</b>	Use dry chemical, CO <sub>2</sub> , water spray (fog), or foam.
<b>Hazardous Combustion Products</b>	Oxides of carbon, nitrogen and sulphur may be generated.
<b>Specific Hazards Arising From the Product</b>	Reacts with metals with liberation of hydrogen

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<b>Special Protective Equipment and 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.
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<b>Section 6. Accidental Release Measures</b>	
<b>Personal Precautions, Protective Equipment and Emergency Procedures</b>	Gloves (neoprene), coveralls, and footwear suitable for work site. Secure area and evacuate unnecessary personnel. Corrosive to skin. Do not touch material with bare hands.
<b>Environmental Precautions</b>	Do not allow spilled material to enter surface drains and watercourses.
<b>Methods and Materials For Containment and Clean-Up</b>	Carefully sweep up material without causing dust. Place material in a suitable container for disposal. Wash area with copious amounts of water to remove residues.

<b>Section 7. Handling and Storage</b>	
<b>Precautions For Safe Handling</b>	Handle with care – Corrosive powder.
<b>Conditions For Safe Storage</b>	Store in a cool dry place. Keep containers closed when not in use.

<b>Section 8. Exposure Controls / Personal Protection</b>				
<b>Control Parameters</b>	<b>TWA: 8 Hr</b>	<b>STEL: 15 min</b>	<b>Ceiling</b>	<b>IDLH *</b>
Sodium metasilicate	-	-	2mg/m <sup>3</sup>	-
Sodium hydroxide			2mg/m <sup>3</sup>	10mg/m <sup>3</sup>
			ACGIH	
	*Immediately Dangerous to Life and Health			
<b>Exposure Controls</b>	Local exhaust ventilation			
<b>Appropriate Engineering Controls</b>	Ensure eye wash station and safety shower are available.			
<b>Individual Protective Measures</b>	If exposure limits are exceeded use:			
<b>Eye / Face Protection</b>	Chemical safety goggles			
<b>Skin Protection</b>	Wear long sleeves			
<b>Respiratory Protection</b>	An approved respirator fitted with HEPA filter.			

Section 9. Physical and Chemical Properties	
<b>Appearance</b>	White / cream coloured powder
<b>Odour</b>	Citrus odour
<b>Odour Threshold</b>	Not available.
<b>pH</b>	11 (1% solution)
<b>Flash Point</b>	> 100 °C
<b>Boiling Point and Boiling Range</b>	No data
<b>Melting Point and Freezing Point</b>	No data
<b>Evaporation Rate</b>	Not applicable
<b>Flammability (solid, gas)</b>	Not applicable
<b>Upper and Lower Flammability or Explosive Limits</b>	No data
<b>Vapour Pressure</b>	Not applicable
<b>Vapour Density</b>	Not applicable
<b>Relative Density</b>	No data
<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>	Reacts violently with acids. Reacts with metals with the production of hydrogen.
<b>Chemical Stability</b>	The product is stable
<b>Possibility of Hazardous Reactions</b>	Will not occur
<b>Conditions to Avoid</b>	Damp, high humidity.
<b>Incompatible Materials</b>	Strong acids, strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	Under normal storage condition decomposition will not occur.

Section 11. Toxicological Information			
Component Toxicity	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium metasilicate	847 mg/kg	No data	No data

<b>Likely Routes of Exposure</b>	
<b>Skin:</b>	May be corrosive.
<b>Eyes:</b>	Can cause irritation and damage to eyes.
<b>Inhalation:</b>	May cause irritation of the upper respiratory tract.
<b>Ingestion:</b>	May be irritating to mouth and throat. May cause irritation of digestive tract.
<b>Acute Toxicity Estimates (ATE)</b>	No data
<b>STOT (Specific Target Organ Toxicity) – Single Exposure</b>	Not classified
<b>Aspiration Toxicity</b>	Not classified
<b>STOT (Specific Target Organ Toxicity) – Repeated Exposure</b>	Not classified
<b>Skin Corrosion / Irritation</b>	Corrosive
<b>Serious Eye Damage / Irritation</b>	Corrosive
<b>Respiratory or Skin Sensitization</b>	Not classified
<b>Carcinogenicity</b>	Not listed.
<b>Reproductive Toxicity</b>	
- <b>Sexual Function and Fertility</b>	Not classified
- <b>Development of Offspring</b>	Not classified
- <b>Effects on or via Lactation</b>	Not classified
<b>Germ Cell Mutagenicity</b>	Not classified
<b>Interactive Effects</b>	None known
<b>Other Information</b>	None known

<b>Section 12. Ecological Information</b>	
<b>Ecotoxicity</b>	Sodium Metasilicate: 96 h LC50: 2320ppm (Mosquito fish); 48 h LC50: 113 mg/L (Water flea) Sodium hydroxide: LC50: 1149 mg/L (Rainbow trout) LC50: 152 mg/L (Chinook salmon)
<b>Persistence and Degradability</b>	Will not persist
<b>Bioaccumulative Potential</b>	Not available

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<b>Biodegradability</b>	Not available
<b>Mobility in Soil</b>	Not available
<b>Other Adverse Effects</b>	None known

### Section 13. Disposal Considerations

<b>Disposal Considerations</b>	Dispose of contents / container in accordance with local regulations.
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### Section 14. Transport Information

<b>UN Number</b>	1759
<b>UN Proper Shipping Name</b>	Corrosive Solids, N.O.S.
<b>Transport Hazard Class(es)</b>	8
<b>Packaging Group</b>	II
<b>Environmental Hazards</b>	Not applicable
<b>Bulk Transport</b>	Not applicable
<b>Special Precaution</b>	Not applicable
<b>DOT Erg#</b>	154

### Section 15. Regulatory Information

<b>Canada – DSL Inventory</b>	All components of this product are either on the Domestic Substances List (DSL), 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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Section 16. Other Information	
<b>NFPA Rating</b>	Health-1/ Flammability-0/Reactivity-1/Special Hazard-Not applicable
<b>HMIS Rating</b>	Health-1/Flammability-0/Reactivity-1/Personal Protection-See Section 8.
<b>Prepared by:</b>	Chemfax Products Ltd., Technical Department
<b>Date Prepared:</b>	30 July, 2009
<b>Date of Latest Revision:</b>	25 January 2021
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