


# Safety Data Sheet

Section 1. Identification	
<b>Product Identifier</b>	Clean Crete
	<b>Version:</b> 7 <b>Effective Date:</b> 15 January 2021
<b>Other Means Of Identification</b>	Not applicable
<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>	Floor soap, degreaser. 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>	 <p>Skin Corrosion / Irritation – Category 1        Eye Damage / Irritation - Category 1</p>
<b>Signal Word</b>	Danger
<b>Hazard Statement</b>	Causes severe skin burns and serious eye damage.
<b>Precautionary Prevention Statement</b>	Do not breathe dust or mist. Wash hands thoroughly after handling. Wear protective gloves, clothing, eye and face protection.
<b>Precautionary Response Statement</b>	IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. IF ON SKIN (or hair): Take off immediately 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. 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 if you feel unwell. Specific Treatment (see information on Safety Data Sheet).
<b>Precautionary Storage Statement</b>	Store locked up.

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<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	Waterglass	6834-92-0	10 - 25
Sodium hydroxide	Caustic soda	1310-73-2	1 - 10
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>	Corrosive to skin and eye.
<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>	Carbon monoxide and dioxide.
<b>Specific Hazards Arising From the Product</b>	None

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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, footwear suitable for work site.
<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. Good housekeeping practices should be in place. Always add caustic soda to water, NEVER water to the caustic soda. Water should be warm, not hot or cold. When mixing water and caustic soda, heat is generated, this can be localized and cause boiling and spitting, leading to a violent eruption.
<b>Conditions for Safe Storage</b>	Store in a cool dry place. Keep containers closed when not in use. Chemical segregation policy should be in place. Protect from water damage. Do not store in aluminium containers as hydrogen gas may be generated.

<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> ACGIH	10mg/m <sup>3</sup>
	*Immediately Dangerous to Life and Health			
<b>Exposure Controls</b>	Local exhaust ventilation			
<b>Appropriate Engineering Controls</b>	Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.			
<b>Individual Protective Measures</b>				
<b>Eye / Face Protection</b>	Chemical safety goggles.			

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<b>Skin Protection</b>	Wear long sleeves
<b>Respiratory Protection</b>	If exposure limits are exceeded use a NIOSH approved respirator fitted with HEPA filter

<b>Section 9. Physical and Chemical Properties</b>	
<b>Appearance</b>	White / cream coloured powder
<b>Odour</b>	Citrus Odour
<b>Odour Threshold</b>	Not available.
<b>pH</b>	13 (1% solution)
<b>Flash Point</b>	Not combustible
<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

<b>Section 10. Stability and Reactivity</b>	
<b>Reactivity</b>	Reacts with metals and acids
<b>Chemical Stability</b>	The product is stable
<b>Possibility of Hazardous Reactions</b>	It may react with aluminium with the liberation of flammable hydrogen gas. Reacts with acids with the formation of silicate precipitate.
<b>Conditions to Avoid</b>	Addition of water can cause an increase in temperature.
<b>Incompatible Materials</b>	Tin, aluminium, zinc, leather, wool, acids, organic halogen compounds, organic nitro compounds, magnesium metal, brass, bronze. Carbon monoxide gas may be produced on contact with reducing sugars. Water can cause a violent reaction.
<b>Hazardous Decomposition Products</b>	Under normal storage condition decomposition will not occur.

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<b>Section 11. Toxicological Information</b>			
<b>Component Toxicity</b>	<b>LD50 Oral</b>	<b>LD50 Dermal</b>	<b>LC50 Inhalation</b>
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 Estimate (ATE)</b>	Not toxic		
<b>STOT (Specific Target Organ Toxicity) – Single Exposure</b>	No data		
<b>Aspiration Toxicity</b>	No data		
<b>STOT (Specific Target Organ Toxicity) – Repeated Exposure</b>	No data		
<b>Skin Corrosion / Irritation</b>	Corrosive		
<b>Serious Eye Damage / Irritation</b>	Corrosive		
<b>Respiratory or Skin Sensitization</b>	No data		
<b>Carcinogenicity</b>	No information available.		
<b>Reproductive Toxicity</b>			
- <b>Sexual Function and Fertility</b>	No data		
- <b>Development of Offspring</b>	No data		
- <b>Effects on or via Lactation</b>	No data		
<b>Germ Cell Mutagenicity</b>	No data		
<b>Interactive Effects</b>	No data		
<b>Other Information</b>	No data		

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<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>	Does not biodegrade but it is neutralized by bicarbonates and CO <sub>2</sub>
<b>Bioaccumulative Potential</b>	Not available
<b>Biodegradability</b>	Not available
<b>Mobility in Soil</b>	Not available
<b>Special Remarks</b>	Toxic to aquatic life. Toxicity is mainly associated with pH.
<b>Other Adverse Effects</b>	Not applicable

<b>Section 13. Disposal Consideration</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>	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

<b>Section 15. Regulatory Information</b>	
<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-2/ Flammability-0/Reactivity-0/Special Hazard-Not applicable
<b>HMIS Rating</b>	Health-2/Flammability-0/Reactivity-0/Personal Protection-See Section 8.
<b>Prepared by:</b>	Chemfax Products Ltd., Technical Department
<b>Date Prepared:</b>	29 June, 2012
<b>Date of Latest Revision:</b>	15 January 2021
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