


# Safety Data Sheet

Section 1. Identification		
<b>Product Identifier</b>	<b>Breakdown</b>	<b>Version: 8</b> <b>Effective Date: 4 December 2020</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>	Engine 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>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>	<p>IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</p> <p>IF ON SKIN (or hair): Immediately take off 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.</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> <p>Specific Treatment: do not induce vomiting unless directed by medical personnel.</p>
<b>Precautionary Storage</b>	Store locked up

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<b>Statement</b>	
<b>Precautionary Disposal Statement</b>	Dispose of contents/container in accordance with local regulations
<b>Hazard Statement</b>	Causes severe skin burns and eye damage
<b>Other Hazards</b>	None

<b>Section 3. Composition / Information on Ingredients</b>			
<b>Chemical Name</b>	<b>Common Name or Synonyms</b>	<b>CAS NO. and Other Unique Identifiers</b>	<b>% by weight</b>
Sodium metasilicate	Liquid glass	6834-92-0	1-10
Dipropylene glycol methyl ether	Glycol ether DPM	34590-94-8	1-10
Balance of ingredients are considered non hazardous and constitute a proprietary blend			

<b>Section 4. First-Aid Measures</b>	
<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>	If symptoms develop, obtain medical attention or call POISON CONTROL CENTER. Do not induce vomiting unless directed to do so by medical personnel. If spontaneous vomiting occurs, keep head below hips to prevent aspiration of vomitus.
<b>Most Important Symptoms and Effects Both Acute and Delayed</b>	Strongly alkaline. Causes burns. May cause permanent damage to eyes.
<b>Immediate Medical Attention and Special Treatment</b>	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.

<b>Section 5. Fire-Fighting Measures</b>	
<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, Oxides of Nitrogen

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<b>Specific Hazards Arising From the Product</b>	May be corrosive to metals with liberation of hydrogen gas.
<b>Special Protective Equipment and Precautions For Fire-Fighting</b>	Fire-fighters should wear a self-contained breathing apparatus and full protective clothing. Use water spray to cool containers and structures exposed to fire.

<b>Section 6. Accidental Release Measures</b>	
<b>Personal Precautions, Protective Equipment and Emergency</b>	No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
<b>Environmental Precautions</b>	Avoid dispersal of spilled material, runoff and contact with soil, waterways, drains and sewers.
<b>Methods and Materials for Containment and Clean-Up</b>	Stop leak if without risk. Move containers from spill area. Absorb with an inert material. Dispose of via licensed waste disposal contractor. In case of larger spills approach release from upwind. Dike spill area and do not allow product to reach sewer system or ground water. Notify any reportable spill to authorities. Contain and collect spill with non-combustible material (i.e. sand, earth, or diatomaceous earth) and place the container for disposal according to local regulations.

<b>Section 7. Handling and Storage</b>	
<b>Precautions for Safe Handling</b>	Put on appropriate personal protective equipment (i.e. respirator if area not ventilated, chemical resistant gloves, safety goggles, face shield, and protective clothing to cover skin). Eating, drinking and smoking is prohibited in areas where this material is handled and stored. Use only with adequate ventilation. Do not reuse empty container.
<b>Conditions for Safe Storage</b>	Store in accordance with local regulations. Store in segregated and approved area. Eliminate all sources of ignition. Store in dry, cool and well-ventilated area, away from oxidizing materials, reducing material and acids.

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Section 8. Exposure Controls / Personal Protection				
<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>	-
Dirpopylene glycol	100ppm	150ppm		600ppm
Methyl ether	NIOSH	NIOSH		NIOSH
	*Immediately Dangerous to Life and Health			
<b>Exposure Controls</b>	Local exhaust ventilation			
<b>Appropriate Engineering Controls</b>	Use with proper ventilation. Ensure eye wash station and safety shower are available.			
<b>Individual Protective Measures</b>				
<b>Eye / Face Protection</b>	Wear chemical safety goggles. When transferring material, wear a face-shield in addition to chemical safety goggles.			
<b>Skin Protection</b>	Wear long sleeves and other protective clothing to prevent repeated or prolonged skin contact.			
<b>Respiratory Protection</b>	If a risk assessment indicates it is necessary, use a properly fitted supplied air respirator complying with and approved standards. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.			

Section 9. Physical and Chemical Properties	
<b>Appearance</b>	Yellow, clear liquid, with mild soapy odour
<b>Odour</b>	soapy
<b>Odour Threshold</b>	Not available.
<b>pH</b>	13
<b>Flash Point</b>	> 100 °C
<b>Boiling Point and Boiling Range</b>	Not determined
<b>Melting Point / Freezing point</b>	Not determined
<b>Evaporation Rate</b>	Not determined
<b>Flammability (solid, gas)</b>	N/A
<b>Upper and Lower Flammability or Explosive Limits</b>	No data
<b>Vapour Pressure</b>	Not determined
<b>Vapour Density</b>	Not determined
<b>Relative Density</b>	1.060
<b>Solubility</b>	Soluble
<b>Partition co-efficient, n-Octanol/Water</b>	No data
<b>Auto-ignition Temperature</b>	No data

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<b>Decomposition Temperature</b>	No data
<b>Viscosity</b>	No data

<b>Section 10. Stability and Reactivity</b>	
<b>Reactivity</b>	Reacts with acids
<b>Chemical Stability</b>	The product is stable
<b>Possibility of Hazardous Reactions</b>	It may react with aluminium, releasing flammable hydrogen gas. Reacts with acids to form a silicate precipitate.
<b>Conditions to Avoid</b>	Do not allow vapour to accumulate in low or confined areas.
<b>Incompatible Materials</b>	Oxidizing and reducing agents.
<b>Hazardous Decomposition Products</b>	Under normal storage conditions, decomposition will not occur.

<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
Dipropylene Glycol Methyl Ether	5180mg/kg (Rat)	9500mg/kg (Rabbit)	>500 ppm/7h (rat)
<b>Likely Routes of Exposure</b>	May be corrosive.		
<b>Skin:</b>	Can cause irritation and damage to eyes.		
<b>Eyes:</b>	May cause irritation of the upper respiratory tract.		
<b>Inhalation:</b>	May be irritating to mouth and throat.		
<b>Ingestion:</b>	May cause irritation of digestive tract.		
<b>Acute Toxicity Estimates (ATE)</b>	Not classified		
<b>STOT (Specific Target Organ Toxicity) – Single Exposure</b>	Irritating to respiratory system		
<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		

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<b>Carcinogenicity</b>	No information available.
<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>	Not classified
<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) Dipropylene glycol methyl ether: LC50>10,000 mg/L (Pimephales promelas) 96h; LC50: 1919 mg/L (Daphnia magna) 48 h.
<b>Persistence and Degradability</b>	Will not persist
<b>Bioaccumulative Potential</b>	Not available
<b>Mobility in Soil</b>	Not available
<b>Other Adverse Effects</b>	None known

<b>Section 13. Disposal Considerations</b>	
<b>Disposal Considerations</b>	Dispose of contents/container in accordance with local, provincial and federal regulations

<b>Section 14. Transport Information</b>	
<b>UN Number</b>	1760
<b>UN Proper Shipping Name</b>	Corrosive Liquid, N.O.S.
<b>Transport Hazard Class(es)</b>	8
<b>Packaging Group</b>	III
<b>Environmental Hazards</b>	Not applicable
<b>Bulk Transport</b>	Not applicable
<b>Special Precaution</b>	Not applicable
<b>DOT Erg#</b>	154

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<b>Section 15. Regulatory Information</b>	
<b>Safety, Health and Environmental Regulations</b>	No data
<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

<b>Section 16. Other Information</b>	
<b>NFPA Rating</b>	Health-2/ Flammability-0/Reactivity-1/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>	7 November, 2015
<b>Date of Latest Revision:</b>	4 December 2020
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