


# Safety Data Sheet

Section 1. Identification		
<b>Product Identifier</b>	<b>Chem Sol</b>	<b>Version: 7</b> <b>Effective Date: 10 July, 2017</b>
<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>	Pressure washer detergent, degreaser and oil remover.	
<b>Product Family</b>	Blend	
<b>24 Hour Emergency</b>	Canutec (613) 996-6666	

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 inhale dust or mist. Wash hands thoroughly after handling. Wear protective gloves, protective clothing, eye and 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 clothes. 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. Specific treatment: Do not induce vomiting unless directed by medical personnel. 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

<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	Not applicable	6834-92-0	1-10
Dipropylene glycol methyl ether	DPGME	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 conscious and alert, rinse mouth with water. Do NOT induce vomiting. 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

<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 and dioxide.

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<b>Specific Hazards Arising From the Product</b>	Not applicable.
<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.

Section 6. Accidental Release Measures	
<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>	Soak or pump up spilled material. Place in a container suitable for disposal. Wash area with water to remove residues.

Section 7. Handling and Storage	
<b>Precautions For Safe Handling</b>	Handle with care. Good housekeeping practices should be in place.
<b>Conditions For Safe Storage</b>	Store in a cool dry place. Keep containers closed when not in use.

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>	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>	Not normally required under normal conditions of use. If exposure limits are exceeded:			
<b>Eye / Face Protection</b>	Chemical safety goggles.			
<b>Skin Protection</b>	Wear long sleeves.			

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<b>Respiratory Protection</b>	Use a properly fitted supplied air respirator complying with and approved standards.
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### Section 9. Physical and Chemical Properties

<b>Appearance</b>	Yellow Liquid
<b>Odour</b>	Cherry scent
<b>Odour Threshold</b>	Not available.
<b>pH</b>	12
<b>Flash Point</b>	No data
<b>Boiling Point and Boiling Range</b>	Not determined
<b>Melting Point and Freezing Point</b>	Not determined
<b>Evaporation Rate</b>	Not determined
<b>Flammability (solid, gas)</b>	Not applicable
<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>	1.074
<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 with acids
<b>Chemical Stability</b>	The product is stable
<b>Possibility of Hazardous Reactions</b>	It may react with aluminium, producing flammable hydrogen gas. Reacts with acids with the formation of silicate precipitate.
<b>Conditions to Avoid</b>	None known.
<b>Incompatible Materials</b>	Strong acids, strong oxidizing agents. Contact of concentrated material with hot aluminium may leave a white residue.
<b>Hazardous Decomposition Products</b>	Under normal storage condition decomposition will not occur.

### Section 11. Toxicological Information



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Component Toxicity	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium metasilicate	1.153g/kg (Rat)	No data	No data
Dipropylene Glycol Methyl Ether	5180mg/kg (Rat)	9500mg/kg (Rabbit)	>500 ppm/7h (Rat)
<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>	No data		
<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>	Not sensitizer		
<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		

### Section 12. Ecological Information



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<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 (Diphnia magna) 48 h.
<b>Persistence and Degradability</b>	Will not accumulate
<b>Bioaccumulative Potential</b>	Not available
<b>Biodegradability</b>	Not available
<b>Mobility in Soil</b>	Not available
<b>Other Adverse Effects</b>	Not applicable

<b>Section 13. Disposal Considerations</b>	
<b>Disposal Consideration</b>	Dispose of in accordance with local, provincial and national 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 Hazards 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

<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

<b>Section 16. Other Information</b>	
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Manufacturer of Specialty Chemicals

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<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>	6 July, 2012
<b>Date of Latest Revision:</b>	10 July, 2017
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