

# Safety Data Sheet

Section 1. Identification		
<b>Product Identifier</b>	<b>Bug Off</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>	Bug remover. No restrictions.	
<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>	Eye Damage/Irritation – Category 2B
<b>Signal Word</b>	Warning
<b>Hazard Statement</b>	Causes eye irritation.
<b>Precautionary Prevention Statement</b>	Wash hands thoroughly after handling.
<b>Precautionary Response Statement</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, seek medical advice.
<b>Precautionary Storage Statement</b>	None
<b>Precautionary Disposal Statement</b>	None
<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
Dipropylene glycol monomethyl ether	Glycol ether DPM	34590-94-8	1-10
Balance of ingredients are considered non hazardous and constitute a proprietary blend			

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<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>	Give two glasses of 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>	May cause mild eye irritation.
<b>Immediate Medical Attention and Special Treatment</b>	Rinse eyes with water.

<b>Section 5. Fire-Fighting Measures</b>	
<b>Suitable and Unsuitable Extinguishing Media</b>	Use extinguishing media suitable for surrounding fire.
<b>Hazardous Combustion Products</b>	If the material burns, oxides of carbon, nitrogen, and sulphur may be produced.
<b>Specific Hazards Arising From the Product</b>	None known.
<b>Special Protective Equipment and Precautions for Fire-Fighters</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 Procedures</b>	Gloves (neoprene), safety glasses, coveralls. Evacuate unnecessary personnel. Wash area with water.
<b>Environmental Precautions</b>	Do not allow product to enter watercourses or sewers.
<b>Methods and Materials for Containment and Clean-Up</b>	Pump up or soak up material, place in a suitable container for disposal. Wash area with water to remove residues.

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

Section 8. Exposure Controls / Personal Protection				
Control Parameters	TWA: 8 Hr	STEL: 15 min	Ceiling	IDLH *
Dipropylene glycol monomethyl ether	100ppm (OEL, AB)	150ppm (OEL, AB)		
*Immediately Dangerous to Life and Health				
<b>Exposure Controls</b>	Local exhaust ventilation			
<b>Appropriate Engineering Controls</b>	Ensure eye wash station is available.			
<b>Individual Protective Measures</b>				
<b>Eye / Face Protection</b>	Wear chemical safety goggles			
<b>Skin Protection</b>	Gloves and coveralls.			
<b>Respiratory Protection</b>	Air purifying respirator fitted with the appropriate cartridges (organic vapours / mists) should be worn if exposure limits are exceeded.			

Section 9. Physical and Chemical Properties	
<b>Appearance</b>	Amber coloured liquid
<b>Odour</b>	Citrus odour
<b>Odour Threshold</b>	Not available.
<b>pH</b>	10
<b>Flash Point</b>	> 100 °C
<b>Boiling Point and Boiling Range</b>	Not determined
<b>Melting Point / Freezing Point</b>	0 °C
<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>	1.01



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<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>	Stable
<b>Chemical Stability</b>	Stable
<b>Possibility of Hazardous Reactions</b>	Will not occur
<b>Conditions to Avoid</b>	None know.
<b>Incompatible Materials</b>	Oxidizing agents.
<b>Hazardous Decomposition Products</b>	Carbon monoxide and dioxide

Section 11. Toxicological Information			
Component Toxicity	LD50 Oral	LD50 Dermal	LC50 Inhalation
Dipropylene Glycol Methyl Ether	5180mg/kg (Rat)	9500 mg/kg (Rabbit)	>500 ppm/7h (rat)
<b>Likely Routes of Exposure</b>			
<b>Skin:</b>	May cause irritation and redness with prolonged contact.		
<b>Eyes:</b>	May cause irritation and redness.		
<b>Inhalation:</b>	May cause irritation of respiratory tract and mucous membranes.		
<b>Ingestion:</b>	May cause digestive tract disturbances.		
<b>Acute Toxicity Estimates (ATE)</b>	Not classified		
<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>	Not classified		



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<b>Serious Eye Damage / Irritation</b>	Mild eye irritation
<b>Respiratory or Skin Sensitization</b>	Not classified
<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

## Section 12. Ecological Information

<b>Ecotoxicity</b>	No data
<b>Persistence and Degradability</b>	Will not persist
<b>Bioaccumulative Potential</b>	Not available
<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 in accordance with local, provincial and federal regulations.
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## Section 14. Transport Information

<b>UN Number</b>	None
<b>UN Proper Shipping Name</b>	None
<b>Transport Hazard Class(es)</b>	Not regulated
<b>Packaging Group</b>	Not regulated
<b>Environmental Hazards</b>	Not applicable
<b>Bulk Transport</b>	Not applicable
<b>Special Precaution</b>	Not applicable

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<b>DOT Erg#</b>	None
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<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>	
<b>NFPA Rating</b>	Health-1/ Flammability-0/Reactivity-0/Special Hazard-Not applicable
<b>HMIS Rating</b>	Health-1/Flammability-0/Reactivity-0/Personal Protection-See Section 8.
<b>Prepared by:</b>	Chemfax Products Ltd., Technical Department
<b>Date Prepared:</b>	5 March, 2011
<b>Date of Latest Revision:</b>	4 December 2020
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