


Safety Data Sheet

Section 1. Identification	
Product Identifier	Squeaky Clean
	Version: 9 Effective Date: 25 January 2021
Other Means Of Identification	None
Initial Supplier Identifier	Chemfax Products Ltd. 11444 – 42 Street SE Calgary, AB T2C 5C4 Tel: 403-287-2055
Recommended Use and Restrictions On Use	Brake Cleaner. No restrictions.
Product Family	Blend
Emergency Phone	1-855-887-2055 Monday - Friday 8:00am - 4:30pm MST

Section 2. Hazard Identification	
Hazard Classification	
Physical Hazards	Flammable Liquids - Category 2
Health Hazards	Acute Toxicity - Oral - Category 3 Skin Corrosion/Irritation - Category 2 Eye Damage/Irritation - Category 2A Reproductive Toxicity - Category 2 Specific Target Organ Toxicity (Single Exposure) - Category 3 Specific Target Organ Toxicity (Repeated Exposure) - Category 2 Aspiration Hazard - Category 1
Environmental Hazards	Hazardous To The Aquatic Environment – Short Term (Acute) Hazard - Category 2

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	Hazardous To The Aquatic Environment – Long Term (Chronic) Hazard - Category 2
Signal Word	Danger
Hazard Statement	<p>Highly flammable liquid and vapour. Toxic if swallowed. Causes skin irritation. Causes serious eye irritation. Suspected of damaging fertility or the unborn child. May cause respiratory irritation; or may cause drowsiness or dizziness.</p> <p>May cause damage to organs (liver, kidney, central nervous system) through prolonged or repeated exposure (inhalation, ingestion, or absorption through skin).</p> <p>May be fatal if swallowed and enters airways.</p> <p>Toxic to aquatic life. Toxic to aquatic life with long lasting effects.</p>
Precautionary Prevention Statement	<p>Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>Keep container tightly closed. Ground and bond container and receiving equipment. Use explosion-proof electrical, ventilating, and lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Wear protective gloves, clothing, and eye & face protection.</p> <p>Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.</p> <p>Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.</p> <p>Avoid inhaling - do not inhale dust, fume, gas, mist, vapours or spray. Only use outdoors or in a well-ventilated area.</p> <p>Avoid release to the environment.</p>
Precautionary Response Statement	<p>IF ON SKIN (or hair): Immediately take off all contaminated clothing. Wash with plenty of water, or shower if on clothing. Remove contaminated clothing and wash it before reuse. If skin irritation occurs, seek medical attention.</p> <p>In case of fire: Use CO₂, dry chemical, or foam to extinguish.</p> <p>IF SWALLOWED: Immediately call a Poison Centre. Do NOT induce vomiting.</p> <p>Specific Treatment: Rinse mouth. Do not induce vomiting unless directed by medical personnel.</p> <p>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 attention.</p> <p>IF exposed or concerned, seek medical attention.</p> <p>IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.</p> <p>Seek medical attention if you feel unwell.</p>

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	Collect spillage.
Precautionary Storage Statement	Store in a well-ventilated place locked up. Keep container tightly closed. Keep cool.
Precautionary Disposal Statement	Dispose of contents / container in accordance with local regulations.
Other Hazards	None

Section 3. Composition / Information on Ingredients			
Chemical Name	Common Name or Synonyms	CAS NO. and Other Unique Identifiers	% by weight
Isopropanol	IPA	67-63-0	10 – 20
Methanol	Methyl alcohol	67-56-1	1 – 10
Hexanes	N/A	110-54-3, 96-37-7, 96-14-0, 107-83-5	70 – 90
Balance of ingredients are considered non-hazardous and constitute a proprietary blend			

Section 4. First Aid Measures	
Eye Contact	Flush eyes with water for 15 minutes. Seek medical attention.
Skin Contact	Flush area with water. If irritation persists seek medical attention. Launder clothing before reuse.
Inhalation	Remove victim to fresh air. If there is difficulty breathing, seek immediate medical attention.
Ingestion	Rinse mouth with water if conscious. Do not induce vomiting. Lay victim on left side to prevent aspiration of any vomit. Seek immediate medical attention.
Most Important Symptoms and Effects Both Acute and Delayed	<p>Acute Poison. May be fatal if swallowed. If swallowed, there is a risk of blindness. Toxic if swallowed, comes in contact with skin, or if inhaled. Ingestion causes nausea, weakness and central nervous system effects, headache, vomiting, dizziness, and symptoms of drunkenness. Coma and death due to respiratory failure may follow severe exposures: Medical treatment necessary. A latent period of several hours may occur between exposure and the onset of symptoms.</p> <p>Delayed Causes damage to organs through prolonged or repeated exposure.</p>

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Immediate Medical Attention and Special Treatment	Treat symptomatically and supportively. The severity of symptoms depends upon the length and concentration of the exposure. If ingested, get immediate medical attention. Antidote: Fomepizole enhances elimination of metabolic formic acid. Antidote should be administered by qualified medical personnel. Note to Physicians: Treat symptomatically. The severity of outcome following methanol ingestion may be more related to the time between ingestion and treatment, rather than the amount ingested. Therefore, there is a need for rapid treatment of any ingestion exposure. Call a POISON CENTER.
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Section 5. Fire-Fighting Measures	
Suitable and Unsuitable Extinguishing Media	CO ₂ , dry chemical, or foam. Do not use direct water jet.
Hazardous Combustion Products	Carbon monoxide and dioxide
Specific Hazards Arising From the Product	Highly flammable liquid and vapour. Mixtures >20% methanol with water are flammable. May form explosive mixture with air. Vapours are heavier than air and may travel along the ground to some distant source of ignition and flash back. Containers may rupture or explode if exposed to heat. Dangerous gases may accumulate in confined spaces. Toxic
Special Protective Equipment and Precautions For Fire-Fighters	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	
Personal Precautions, Protective Equipment and Emergency Procedures	Gloves (nitrile), coveralls (Nomex), and safety glasses. Move container from fire area if it can be done without risk. Do not breathe gas/fume/vapour/spray. Avoid contact with eyes and skin.
Environmental Precautions	Do not allow product to enter any surface water courses or drains and sewers. Product may collect in low places. Remove all sources of ignition and naked flames.
Methods and Materials For Containment and Clean-Up	With all sources of ignition removed and wearing correct protective apparel, close area and remove all personnel not required for clean-up. Pump up large volumes of product, or soak up smaller amounts with an absorbent. Place collected material in a suitable container for disposal. Wash area down with soap and water to remove residues.

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Section 7. Handling and Storage	
Precautions For Safe Handling	Handle with care. Flammable liquid. Ground all drums when transferring material.
Conditions For Safe Storage	Store in a cool dry place away from all sources of ignition. Empty containers may have flammable residues present. Keep container closed when not in use. Ground containers when in use.

Section 8. Exposure Controls \ Personal Protection				
Control Parameters	TWA: 8 Hr	STEL: 15 min	Ceiling	IDLH *
Isopropanol	200 ppm	400 ppm		
n-Hexanes	CAD AB OEL	CAD AB OEL		
Methanol	50 ppm (NIOSH)	250ppm		
Exposure Controls	Local exhaust ventilation			
Appropriate Engineering Controls	Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits. Use explosion-proof electrical/ventilating/lighting equipment. Handle substance within a closed system. Ground/bond container and receiving equipment. Maintain eye wash fountain and quick-drench shower in work area.			
Individual Protective Measures				
Eye / Face Protection	Safety Glasses			
Skin Protection	Gloves (nitrile), coverall (Nomex), chemical resistant footwear,			
Respiratory Protection	An air purifying respirator fitted with organic vapour cartridges must be worn.			

Section 9. Physical and Chemical Properties	
Appearance	Clear, colourless liquid
Odour	Strong solvent / hydrocarbon odour
Odour Threshold	Not available.
pH	Not applicable.
Flash Point	-15 °C
Boiling Point and Boiling Range	No data
Melting Point / Freezing Point	No data
Evaporation Rate	Not determined
Flammability (solid, gas)	N/A

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Upper and Lower Flammability or Explosive Limits	No data
Vapour Pressure	Not determined
Vapour Density	Not determined
Relative Density	0.690
Solubility	Not soluble
Partition co-efficient, n-Octanol/Water	No data
Auto-ignition Temperature	Not determined
Decomposition Temperature	No data
Viscosity	No data
% Volatile	90 – 100

Section 10. Stability and Reactivity

Reactivity	Containers may rupture or explode if exposed to heat.
Chemical Stability	Stable
Possibility of Hazardous Reactions	Will not occur
Conditions to Avoid	Naked flames, sparks, and sources if ignition
Incompatible Materials	Oxidizing agents
Hazardous Decomposition Products	Not expected to occur under normal conditions of use.

Section 11. Toxicological Information

Component Toxicity	LD50 Oral	LD50 Dermal	LC50 Inhalation
Isopropanol	4.7–5.8g/kg (Rat)	5.03–7.9g/kg (Rabbit)	16000 ppm (Rat)
n-Hexanes	25 g/kg (Rat)	>1.3 g/kg (Rabbit)	48000 ppm (Rat), 4h
Methanol	300 mg/kg (Rat)	12.8 g/kg (Rabbit)	64000 ppm (Rat), 4h
Likely Routes of Exposure			
Skin:	May cause irritation and redness, leading to dermatitis. Can be absorbed through the skin.		
Eyes:	May cause irritation of the eyes, including stinging, redness and tearing.		
Inhalation:	Prolonged exposure can lead to headaches, nausea, vomiting, dizziness, central nervous system effects and convulsions.		
Ingestion:	May cause headache, nausea, vomiting and unconsciousness. Can also cause liver and kidney damage. Repeated exposure can lead to deterioration of health due to accumulation in one or more organs.		

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	Use of alcoholic beverages enhances toxic effects. Severe over exposure can result in death.
Acute Toxicity Estimates (ATE)	Poison. May be fatal if swallowed. If swallowed, there is a risk of blindness. Toxic if swallowed, in contact with skin or if inhaled. Methanol: dermal 300 mg/kg, inhalation 3 mg/L, oral 100 mg/kg.
STOT (Specific Target Organ Toxicity) – Single Exposure	Optic nerve, central nervous system
Aspiration Toxicity	May be fatal if swallowed and enters airways.
STOT (Specific Target Organ Toxicity) – Repeated Exposure	Liver, kidney
Skin Corrosion / Irritation	Irritant
Serious Eye Damage / Irritation	Irritant
Respiratory or Skin Sensitization	Not classified
Carcinogenicity	No listed.
Reproductive Toxicity	
- Sexual Function and Fertility	Permanent testicular damage characterized by loss of germ cell line observed in rats
- Development of Offspring	n-Hexane Rat: NOAEL Teratogenicity: 200 ppm NOAEL Maternal: 200 ppm
- Effects on or via Lactation	Not classified
Germ Cell Mutagenicity	Mutation in mammalian somatic cells.
Interactive Effects	None known
Other Information	None known

Section 12. Ecological Information	
Ecotoxicity	Methanol: LC50: 18,000 - 20,000 mg/L (Rainbow trout) Isopropyl alcohol: 5770 – 7450 mg/L (Fathead minnow) n-Hexane: LC50: 2.5 mg/L (Pimephales promelas) LC50: 4.12 mg/L (Lepomis macrochirus) LC50: 4.14 mg/L (Oncorhynchus mykiss)
Persistence and Degradability	This material is expected to be readily biodegradable.
Bioaccumulative Potential	No data



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Biodegradability	No data
Mobility in Soil	No data
Special Remarks	May be harmful to aquatic life
Other Adverse Effects	None known

Section 13. Disposal Considerations

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

UN Number	1208
UN Proper Shipping Name	Hexane Mixture
Transport Hazard Class(es)	3
Packaging Group	II
Environmental Hazards	Not applicable
Bulk Transport	Not applicable
Special Precaution	Not applicable
DOT Erg#	128

Section 15. Regulatory Information

Canada – DSL Inventory	All components of this product are either on the Domestic Substances List (DSL), Non-Domestic Substances List (NDSL), or exempt
TSCA	All components of this product are either on the Toxic Substances Control Act (TSCA) Inventory List or exempt
Additional Information	None

Section 16. Other Information	
NFPA Rating	Health-2/ Flammability-3/Reactivity-0/Special Hazard-Not applicable
HMIS Rating	Health-2/Flammability-3/Reactivity-0/Personal Protection-See Section 8.
Prepared by:	Chemfax Products Ltd., Technical Department
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