


Safety Data Sheet

Section 1. Identification	
Product Identifier	T.X.I. 301
	Version: 8 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	Heavy duty laundry degreaser and stain remover. 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 3
Health Hazards	Skin Corrosion/Irritation – Category 2 Aspiration Hazard – Category 1 Skin Sensitization – Category 1 Eye Damage/Irritation – Category 2A Specific Target Organ Toxicity (Single Exposure) – Category 3
Signal Word	Danger
Hazard Statement	Flammable liquid and vapour. Causes skin irritation. May be fatal if swallowed and enters airways. May cause an allergic skin reaction. May cause respiratory irritation; or may cause drowsiness or dizziness. Causes serious eye irritation.
Precautionary Prevention Statement	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. 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, eye and face protection.

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	<p>Wash hands thoroughly after handling.</p> <p>Avoid inhaling dust, fume, gas, mist, vapours, and spray. Only use outdoors, or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace.</p>
Precautionary Response Statement	<p>IF ON SKIN (or hair): Immediately remove all contaminated clothing and wash it before reuse. Rinse and wash skin with water or shower if on clothes.</p> <p>Specific Treatment: Do not induce vomiting unless directed by medical personnel.</p> <p>If skin irritation or rash occurs, seek medical attention.</p> <p>In case of fire: Use carbon dioxide, foam or dry chemical to extinguish.</p> <p>IF SWALLOWED: Immediately call a doctor. Do NOT induce vomiting.</p> <p>IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a doctor if you feel unwell.</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>
Precautionary Storage Statement	<p>Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up.</p>
Precautionary Disposal Statement	<p>Dispose of contents/container in accordance with local regulations.</p>
Other Hazards	<p>None</p>

Section 3. Composition / Information on Ingredients			
Chemical Name	Common Name or Synonyms	CAS NO. and Other Unique Identifiers	% by weight
D'Limonene	N/A	5989-27-5	30 – 60
Isopropyl Alcohol	IPA	67-63-0	10 – 30
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.

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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	If material enters lungs, signs and symptoms may include coughing, choking, wheezing, difficulty in breathing, chest congestion, shortness of breath, and/or fever. The onset of respiratory symptoms may be delayed for several hours after exposure. Skin irritation signs and symptoms may include a burning sensation, redness, swelling, and/or blisters. Breathing of high vapour concentrations may cause central nervous system (CNS) depression resulting in dizziness, light-headedness, headache, nausea and loss of coordination. Continued inhalation may result in unconsciousness and death.
Immediate Medical Attention and Special Treatment	Treat symptomatically.

Section 5. Fire-Fighting Measures	
Suitable and Unsuitable Extinguishing Media	Carbon dioxide, foam or dry chemical. Do not use direct water jets on the burning product as they could cause a steam explosion and spread of the fire. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam.
Hazardous Combustion Products	Carbon monoxide and dioxide
Specific Hazards Arising From The Product	Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke), and/or carbon monoxide. This product will float and can be reignited on surface water. Flammable vapours may be present even at temperatures below the flash point. The vapour is heavier than air, therefore it spreads along the ground and distant ignition is possible.
Special Protective Equipment and Precautions For Fire-Fighters	Firefighters 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, safety glasses or goggles, chemical resistant footwear, coveralls. Air purifying respirator fitted with appropriate cartridges. Secure area and evacuate unnecessary personnel. Ensure adequate ventilation.

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Environmental Precautions	Do not allow product to enter surface drains and watercourses.
Methods and Materials For Containment and Clean-Up	Eliminate all sources of ignition. Contain spill, soak up spilled product with suitable material. Place in a suitable container for disposal. All rags, absorbent and contaminated material should be disposed of in the appropriate manner. Wash area with water and a small amount of detergent to remove residues.

Section 7. Handling and Storage	
Precautions For Safe Handling	Handle with care – combustible liquid. Use in well ventilated areas. Remove all sources of ignition. Keep away from naked flames, sparks and heat sources. Do not breathe vapours. Use good housekeeping practices – wash hands after use.
Conditions For Safe Storage	Store in cool, well ventilated area. Keep containers closed when not in use. Do not cut, weld, drill or grind on or near these containers. Empty drums may contain flammable vapours.

Section 8. Exposure Controls / Personal Protection				
Control Parameters	TWA: 8 Hr	STEL: 15 min	Ceiling	IDLH *
D-Limonene	Not established			
Isopropyl Alcohol	400 ppm	500 ppm		
	CAD AB OEL	CAD AB OEL		
Exposure Controls	Local exhaust ventilation			
Appropriate Engineering Controls	Ensure eye wash station, safety shower and adequate ventilation are available.			
Individual Protective Measures	Under normal conditions of use these are not normally required. If exposure limits are exceeded:			
Eye / Face Protection	Safety glasses.			
Skin Protection	Wear 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	Pale yellow/orange liquid
Odour	Citrus scent
Odour Threshold	Not available.
pH	6.5 – 7.5 10% solution
Flash Point	>50 °C
Boiling Point and Boiling Range	No data



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Melting Point and Freezing Point	No data
Evaporation Rate	No data
Flammability (solid, gas)	Not applicable
Upper and Lower Flammability or Explosive Limits	No data
Vapour Pressure	No data
Vapour Density	No data
Relative Density	0.866
Solubility	Miscible
Partition co-efficient, n-Octanol/Water	No data
Auto-ignition Temperature	No data
Decomposition Temperature	No data
Viscosity	No data

Section 10. Stability and Reactivity

Reactivity	Stable
Chemical Stability	Stable
Possibility of Hazardous Reactions	Will not occur
Conditions to Avoid	Naked flames. Sparks and sources if ignition
Incompatible Materials	Strong oxidizing agents.
Hazardous Decomposition Products	Oxides of citrus terpenes result from improper storage and handling – these are potential skin sensitizers. Exposure to air will cause the formation of the oxides.

Section 11. Toxicological Information

Component Toxicity	LD50 Oral	LD50 Dermal	LC50 Inhalation
D-Limonene	>5g/kg (Rat)	>5g/kg (Rabbit)	
Isopropyl alcohol	4.7 – 5.8 g/kg (Rat)	5.03-7.9g/kg (Rabbit)	16000 ppm, 4h (Rat)
Likely Routes of Exposure			
Skin:	May cause mild irritation. Prolonged contact may cause dryness, cracking and possible skin burns.		
Eyes:	May cause irritation of the eyes, including stinging, redness and tearing.		
Inhalation:	May cause irritation of the nose, throat and respiratory tract, coughing and headache.		
Ingestion:	May cause vomiting, headache or irritation of the digestive tract.		



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Acute Toxicity Estimates (ATE)	No data
STOT (Specific Target Organ Toxicity) – Single Exposure	Central Nervous System
Aspiration Toxicity	May be fatal if swallowed and enters airways.
STOT (Specific Target Organ Toxicity) – Repeated Exposure	Not classified
Skin Corrosion / Irritation	Irritating to skin
Serious Eye Damage / Irritation	Expected to be irritating
Respiratory or Skin Sensitization	May cause an allergic skin reaction.
Carcinogenicity	Not classified as a carcinogen.
Reproductive Toxicity	
- Sexual Function and Fertility	Not expected to impair fertility.
- Development of Offspring	Not classified as a developmental toxicant.
- Effects on or via Lactation	No data
Germ Cell Mutagenicity	Not considered a mutagenic hazard.
Interactive Effects	No data
Other Information	N/A

Section 12. Ecological Information

Ecotoxicity	Isopropyl alcohol: LC50: 5770 – 7450 mg/L (Fathead minnow) 96 hr Flow through LC50: 10,000 mg/L (Water flea) 24 hr Static
Persistence and Degradability	Will not persist
Bioaccumulative Potential	No data
Biodegradability	Expected to be completely biodegradable
Mobility in Soil	No data
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	1219
UN Proper Shipping Name	Isopropanol Solution
Transport Hazard Class(es)	3
Packaging Group	II
Environmental Hazards	Not applicable
Bulk Transport	Not applicable
Special Precaution	Not applicable
DOT Erg#	129

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-1/ Flammability-2/Reactivity-0/Special Hazard-Not applicable
HMIS Rating	Health-1/Flammability-2/Reactivity-0/Personal Protection-See Section 8.
Prepared by:	Chemfax Products Ltd., Technical Department
Date Prepared:	17 August, 2012
Date of Latest Revision:	25 January 2021
Disclaimer	
Notice to reader	
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