

Safety Data Sheet

Section 1. Identification	
Product Identifier	Target
	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	Environmentally friendly, tar, bitumen, asphalt, and oil sand removing gel. 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 4
Health Hazards	Skin Corrosion/Irritation - Category 2 Skin Sensitization – Category 1
Signal Word	Warning
Hazard Statement	Combustible liquid. Causes skin irritation. May cause an allergic skin reaction.
Precautionary Prevention Statement	Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Wear protective gloves, clothing, and eye & face protection. Wash hands thoroughly after handling. Avoid inhaling dust, fumes, gas, mist, vapours, or spray. Contaminated work clothing should not be allowed out of the workplace.
Precautionary Response Statement	In case of fire: Use carbon dioxide, foam, or dry chemical to extinguish. IF ON SKIN: Wash with plenty water and soap. Specific Treatment: Do not induce vomiting unless directed by medical personnel.

Safety Data Sheet

	If skin irritation or rash occurs: Seek medical attention. Remove contaminated clothing and wash it before reuse. If
Precautionary Storage Statement	Store in a well-ventilated area.
Precautionary Disposal Statement	Dispose of contents/container in accordance with in 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
D'Limonene	N/A	5989-27-5	20 – 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.
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	Causes skin irritation, and possible sensitization in the form of a rash. May cause mild eye irritation.
Immediate Medical Attention and Special Treatment	Medical treatment is required for severe skin irritation or rash.

Section 5. Fire-Fighting Measures

Suitable and Unsuitable Extinguishing Media	Carbon dioxide, foam, or dry chemical. Do not use direct water jet.
Hazardous Combustion Products	Carbon monoxide and dioxide
Specific Hazards Arising From the Product	Unusual Fire and Explosion Hazards: Flammable liquid and vapour. Vapours are heavier than air and will travel along surfaces to remote

Safety Data Sheet

	ignition sources and flash back. Vapours will collect in low areas. Vapours may be ignited by static sparks. Combustion products: Oxides of carbon and smoke.
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, and coveralls. Air purifying respirator fitted with appropriate cartridges. Eliminate all ignition sources and ventilate the area with explosion-proof equipment. Prevent entry into basements or confined areas.
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 an 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 inhale 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.

Section 8. Exposure Controls / Personal Protection				
Control Parameters	TWA: 8 Hr	STEL: 15 min	Ceiling	IDLH *
D-Limonene	Not established			
Exposure Controls	Local exhaust ventilation			
Appropriate Engineering Controls	Use with adequate local exhaust ventilation to maintain exposure levels below the occupational exposure limits. Use explosion-proof equipment where required.			
Individual Protective Measures	Under normal conditions of use these are not normally required. Exposure to aerosols and mists should be kept to a minimum:			
Eye / Face Protection	Safety glasses.			



Manufacturer of Specialty Chemicals

Safety Data Sheet

Skin Protection	Wear gloves (nitrile), coverall (Nomex), and chemical resistant footwear
Respiratory Protection	None needed with adequate ventilation. If the occupational exposure limit is exceeded, use an approved organic mist respirator. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134 or other applicable regulations and good Industrial Hygiene practice.

Section 9. Physical and Chemical Properties	
Appearance	Pale yellow / orange coloured viscous liquid with citrus scent
Odour	Citrus
Odour Threshold	Not available.
pH	7 – 8 (as supplied)
Flash Point	>70 °C
Boiling Point and Boiling Range	No data
Melting Point and Freezing Point	-4 °C
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	0.968
Solubility	Soluble
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.
Incompatible Materials	Strong oxidizing agents.
Hazardous Decomposition Products	Not expected to decompose under normal conditions of use.

Safety Data Sheet

Section 11. Toxicological Information	
Component Toxicity	LD50 Oral LD50 Dermal LC50 Inhalation
D-Limonene	>5g/kg (Rat) >5g/kg (Rabbit)
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.
Acute Toxicity Estimates (ATE)	d-Limonene: LD50 oral rat 3600 mg/kg; LC50 dermal rabbit 5000 mg/kg
STOT (Specific Target Organ Toxicity) –Single Exposure	Not classified
Aspiration Toxicity	Not classified
STOT (Specific Target Organ Toxicity) – Repeated Exposure	Not classified
Skin Corrosion / Irritation	Causes irritation and possible sensitization in the form of rash. Repeated or prolonged exposure may cause defatting of the skin.
Serious Eye Damage / Irritation	May causes mild eye irritation.
Respiratory or Skin Sensitization	Potential sensitizer
Carcinogenicity	Not listed.
Reproductive Toxicity	
- Sexual Function and Fertility	Not classified
- Development of Offspring	Not classified
- Effects on or via Lactations	Not classified
Germ Cell Mutagenicity	Not classified
Interactive Effects	None known
Other Information	None known

Safety Data Sheet

Section 12. Ecological Information	
Ecotoxicity	No data
Persistence and Degradability	d-Limonene: Present at 100 mg/L, achieved 41-98% of its theoretical BOD in 2 weeks using an activated sludge inoculum at 30 mg/L and the Japanese MITI test
Bioacumulative 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

Section 14. Transport Information	
UN Number	Not applicable
UN Proper Shipping Name	None
Transport Hazard Class	Not applicable
Packaging Group	Not applicable
Environmental Hazards	Not applicable
Bulk Transport	Not applicable
Special Precaution	Not applicable
DOT Erg#	Not applicable

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

Safety Data Sheet

Section 16. Other Information	
NFPA Rating	Health-1/ Flammability-1/Reactivity-0/Special Hazard-Not applicable
HMIS Rating	Health-1/Flammability-1/Reactivity-0/Personal Protection-See Section 8.
Prepared by:	Chemfax Products Ltd., Technical Department
Date Prepared:	4 October, 2012
Date of Latest Revision:	25 January 2021
Disclaimer Notice to reader To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist. Chemfax Products Ltd. expressly disclaims all expressed or implied warranties of merchantability and fitness for a particular purpose with respect to the product provided.	