

d-Limonene	5989-27-5	3 - 7	Y
n-Pentyl Acetate	628-63-7	1 - 5	Y
Lemongrass Oil	8007-02-1	1 - 5	Y
Myrcene	123-35-3	0.1 - 1.0	Y

Section 4. First Aid Measures

Eye Contact:	Flush eyes with copious amounts of clean water, holding lids open. If irritation persists, consult a physician.
Skin Contact:	Wash with soap and water.
Inhalation:	Remove to fresh air
Ingestion:	Give water or milk to drink if conscious
Note to Physicians:	Ingestion of large amounts is unlikely. Induction of vomiting is NOT advised

Section 5. Fire Fighting Measures

Suitable Extinguishing Media:	Foam, carbon dioxide, dry chemical.
Unsuitable Extinguishing Media:	Water. Bulk liquid could float on the surface of water and keep burning.
Products of Combustion:	Oxides of carbon and nitrogen
Protection of Firefighters:	As for surrounding fire

Section 6. Accidental Release Measures

Personal Precautions:	Keep away from skin and eyes
Environmental Precautions:	Keep liquid out of surface waters
Methods for Containment:	In the unlikely event of a large spill, dike with sand, clay or other suitable material
Methods for Clean-Up:	Absorb with sand, clay or other suitable material
Other Information:	

Section 7. Handling and Storage

HANDLING

Reasonable care. Keep away from skin and eyes.

STORAGE

Closed, original container at ambient temperatures (below 50°C; 120°F)

Section 8. Exposure Controls/Personal Protection

EXPOSURE GUIDELINES

COMPONENT:	TWA:	LD-50
Methyl Salicylate	None established	887 mg/kg
Cinnamaldehyde	None established	2220 mg/kg
d-Limonene	None established	>5000 mg/kg
n-Pentyl Acetate	TLV 50 ppm	14000 mg/kg
Lemongrass Oil	None established	>5000 mg/kg
Myrcene	None established	>5000 mg/kg

Engineering Controls: Not normally necessary.

Eye/Face Protection: Not normally necessary.

Skin Protection: Not normally necessary.

Respiratory Protection: Not normally necessary.

General Hygiene Considerations: Keep out of food and beverages

Section 9. Physical and Chemical Properties

Color: Yellow to amber

Odor: Characteristic spicy aroma

Physical State: Liquid in dispenser bottle
pH: Not applicable
Evaporation Rate: Not determined
Flash Point: 65°C/149°F PMCC
Upper Flammability Limit: Not determined
Vapor Pressure: Less than 1 Torr at 20°C
Vapor Density: Not determined
Volatile Organic Compound (VOC),%weight:
100%, all fragrance

Odor Treshhold:
Freezing Point: Not determined
Boiling Point: Greater than 150°C/300°F
Flammability(solid,gas): Not applicable
Lower Flammabilty Limit: Not determined
Specific Gravity: 0.97
Auto-ignition Temperature: Not determined
Solubility (water): Insoluble
Percent Volatile: 100%, all fragrance

Section 10. Stability and Reactivity

Stability: Stable
Conditions to Avoid: None known
Incompatable Materials: None known
Hazardous Decomposition Products: None known
Possibility of Hazardous Reactions: Extremely improbable

Section 11. Toxicology Information

ACCUTE EFFECTS

Oral LD50: Not determined for mixture. Weighted average more than 1500 mg/kg.
Dermal LD50: Not determined for mixture. Weighted average more than 1000 mg/kg.
Inhalation: Not determined for mixture. Weighted average more than 2.75 milligrams per Liter.
Eye Irritation: Direct contact can result in severe irritation
Skin Irritation: Prolonged or repeated contact can irritate or dry skin.
Sensitization: None known

CHRONIC EFFECTS

Carcinogenicity: None known
Mutagenicity: None known
Reproductive Effects: None known
Developmental Effects: None known

Section 12. Ecological Information

Ecotoxicity: None known
Persistence/Degradability: Biodegradable.
Bioaccumulation/Accumulation: None known
Mobility in Enviroment: Not determined

Section 13. Disposal Considerations

Disposal: Dispose according to Federal, State or Provincial, and Local regulations.

Section 14. Transportation Information

US DOT (ground)
Proper Shipping Description: NOT REGULATED
CANADA TDG (ground)
Proper Shipping Description: NOT REGULATED
ICAO (air)
Proper Shipping Description: NOT REGULATED
IMDG (water)

Proper Shipping Description: NOT REGULATED

Section 15. Regulatory Information

Global Inventories

TSCA: United States	Included
DSL: Canada	Included
ECL: Korea	Not-Known
PICCS: Philippines	Not-Known
ENCS: Japan	Not-Known
AICS: Australia	Included
IECS: China	Not-Known
EINECS: European Union	Included

SARA 313 Information : No SARA 313 Substances present at reportable levels

California Safe Drinking Water and Toxic Enforcement Act of 1986 :(Proposition 65)

No Proposition 65 substances present

WHMIS: Canadian Workplace Hazardous Material Information System

B 3, D 2 B

Section 16. Other Information

Legends:

NFPA, HMIS:

0=Minimal Hazard, 1=Slight Hazard, 2=Moderate Hazard, 3=Severe Hazard, 4=Extreme Hazard

Prepared By: Technical Dept.

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