

Cinnamaldehyde	104-55-2	7 - 13	Y
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:	NULL

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	Odor Treshhold: NULL
pH: Not applicable	Freezing Point: Not determined
Evaporation Rate: Not determined	Boiling Point: Greater than 150°C/300°F
Flash Point: 58°C/138°F CC	Flammability(solid,gas): Not applicable
Upper Flammability Limit: Not determined	Lower Flammabilty Limit: Not determined
Vapor Pressure: Less than 1 Torr at 20°C	Specific Gravity: 0.97
Vapor Density: Not determined	Auto-ignition Temperature: Not determined
Volatile Organic Compound (VOC),%weight: 100%, all fragrance	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 a Hazardous Material
 CANADA TDG (ground)
 Proper Shipping Description: Not a Dangerous Good
 ICAO (air)
 Proper Shipping Description: Extracts, Aromatic, Liquid Class 3 UN1169 Packaging Group III

IMDG (water)

Proper Shipping Description: Extracts, Aromatic, Liquid Class 3 UN1169 Packaging Group III, Flash Point 58°C
CC

Section 15. Regulatory Information

Global Inventories

TSCA: United States	Included
DSL: Canada	Included
ECL: Korea	Not-Included
PICCS: Philippines	Not-Included
ENCS: Japan	Not-Included
AICS: Australia	Included
IECS: China	Not-Included
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.

While we believe that the data contained herein are factual and the opinions expressed are those of qualified experts regarding the results of tests conducted, the data are not to be taken as warranty or representation for which we assume legal responsibility. The information is offered solely for your consideration, investigation and verification. Any use of these data and information must be determined by the user to be in accordance with federal, state and local laws.