

| | | | |
|------------------|-----------|-----------|---|
| 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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