

Silica: Cristobalite	14464-46-1	1 - 5	Y
Silica, Fused	60676-86-0	40 - 60	Y
Cinnamaldehyde	104-55-2	0.1 - 1.0	Y
Methyl Salicylate	119-36-8	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:	Inhalation of fragrance is not expected to be a problem. Inhaled or Respirable Quartz and Cristobalite have been associated with cancer.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media:	Foam, carbon dioxide, dry chemical
Unsuitable Extinguishing Media:	Fragrance portion could float on surface of water and continue burning
Products of Combustion:	Oxides of carbon and nitrogen.
Protection of Firefighters:	Due to crystalline silica, self-contained breathing apparatus is recommended

Section 6. Accidental Release Measures

Personal Precautions:	Keep away from skin and eyes. If product appears dry or dusty, wear dust mask or respirator.
Environmental Precautions:	Keep out of surface waters and sanitary sewers.
Methods for Containment:	No special requirements. Liquid portion is adsorbed on mineral carrier.
Methods for Clean-Up:	Sweep up or shovel up for disposal.
Other Information:	After granular powder has been swept or shoveled up, area of spill may be mopped with soap and water.

Section 7. Handling and Storage

HANDLING

Keep away from skin and eyes. If product is dry or dusty, wear dust mask or respirator.

STORAGE

Original container at ambient temperatures (below 60°C/140°F)

Section 8. Exposure Controls/Personal Protection

EXPOSURE GUIDELINES

COMPONENT:	TWA:	LD-50
Silica: Quartz	TLV 10 mg/cu m	Not determined
Silica: Cristobalite	TLV 10 mg/cu m	Not determined
Silica, Fused	TLV 6 mg/cu m	3160 mg/kg
Cinnamaldehyde	None established	2220 mg/kg
Methyl Salicylate	None established	887 mg/kg

Engineering Controls: Normal Ventilation

Eye/Face Protection: Protective goggles recommended if handling large quantities

Skin Protection: Rubber or other protective gloves recommended if handling large quantities

Respiratory Protection: Dust mask or respirator recommended, especially if product appears dry or dusty.

General Hygiene Considerations: Keep out of food and beverages

Section 9. Physical and Chemical Properties

Color: Gray to brown	Odor: Spicy
Physical State: Granular Solid	Odor Treshhold:
pH: Not applicable	Freezing Point: Not applicable
Evaporation Rate: Not applicable	Boiling Point: Not applicable
Flash Point: Not applicable	Flammability(solid,gas): Not considered flammable.
Upper Flammability Limit: Not determined	Lower Flammabilty Limit: Not determined
Vapor Pressure: Less than 1 Torr at 20°C	Specific Gravity: Not determined. Bulk density greater than 0.75 g/mL
Vapor Density: Not determined	Auto-ignition Temperature: Not determined
Volatile Organic Compound (VOC),%weight: Less than 20%, all fragrance	Solubility (water): Insoluble Percent Volatile: Less than 35% including water

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 6 grams per kilogram, acute.
Dermal LD50:	Not considered toxic by skin contact. Weighted average more than 5 grams per kilogram, acute.
Inhalation:	Not considered acutely toxic by inhalation. Weighted average more than 4 milligrams per Liter.
Eye Irritation:	Direct contact with fine particles can irritate eyes
Skin Irritation:	Prolonged or repeated contact can irritate skin
Sensitization:	None known

CHRONIC EFFECTS

Carcinogenicity:	Quartz and Cristobalite are IARC Class 1 Carcinogens if inhaled, NTP Class A, known carcinogens if "Respirable" and "Known to the State of California to Cause Cancer" if "Respirable". "Respirable" is generally considered to include particle size.
Mutagenicity:	None known
Reproductive Effects:	None known
Developmental Effects:	None known

Section 12. Ecological Information

Ecotoxicity:	None known
Persistence/Degradability:	None known.
Bioaccumulation/Accumulation:	Mineral carrier is persistent. Fragrance is biodegradable.
Mobility in Enviroment:	None known

Section 13. Disposal Considerations

Disposal: Mineral carrier is not mobile.

Section 14. Transportation Information

US DOT (ground)

Proper Shipping Description: Dispose according to Federal, State or Provincial, and Local regulations

CANADA TDG (ground)

Proper Shipping Description: Not a Hazardous Material

ICAO (air)

Proper Shipping Description: Not a Dangerous Good

IMDG (water)

Proper Shipping Description: Not a Dangerous Good

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 : Does not contain reportable concentrations of any SARA 313 Substances

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

"Respirable" Quartz and Cristobalite are listed under Proposition 65 as known carcinogens.

WHMIS: Canadian Workplace Hazardous Material Information System

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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