

HDDes EXTRACTS (PVT) LTD

(Planters, Manufacturers and Exporters of Spices, Essential oils, Oleoresins and Floral Extracts)

309 , Jayantha Weerasekara Mw, Colombo-10 , Sri Lanka.

Tel : +94 112 438 739 Fax : + 94 112 440 556

E-Mail : hddes@sltnet.lk web : www.hddes.com

MATERIAL SAFETY DATA SHEET FOR ORGANIC SANTALOL OIL

IDENTIFICATION

Label Name : Organic Santalol Oil
Other name : Ceylon Organic Santalol Oil
(Santalum album)
Chemical Name : Sandalwood Oil

CAS Number : 8006-87-9
FEMA Number : 3005
FDA Number : 13139540402

PHYSICAL DATA

Odour and appearance : Yellow to Pale Bluish Green volatile Oil having
Sweet Aromatic Woody Almost Roseacious Order.

Specific gravity : 0.97000 to 0.97800 Boiling point : 276° C
Melting point : Data not found Vapour pressure : Data not found
Refractive Index : 1.50000 to 1.54000
Solubility in water : slightly soluble

FIRE EXPLOSION AND REACTIVITY

Flash point : 93.33° C Dot classification : NF Stability : Stable
NFPA Classification : NF

EXTINGUISHING MEDIA

(Yes) FOAM, (Yes) Dry chemical
(Yes) Carbon dioxide

SPECIAL FIRE FIGHTING PROCEDURE/UNUSUAL FIRE AND EXPLOSION HAZARD

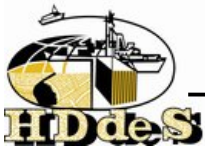
Fire fighters should wear positive pressure self-contained breathing apparatus. Spray extinguishing media directly at the base of the flame. Water is unsuitable for use on burning materials, but may be used to cool containers exposed to heat.

HAZARDOUS COMBUSTION/DECOMPOSITION PRODUCT

When heated to decomposition, produce acrid fumes and smoky combustion may produce Carbon Monoxide and Carbon Dioxide.

HAZARDOUS POLYMERIZATION PRODUCT

Avoid sparks, flame and heat. Avoid contact with oxidizers & avoid hot work and sources of ignition on or near empty containers.



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PRODUCT INFORMATION

Respiratory Protection :

Use positive pressure self-contained breathing apparatus. Avoid casual breathing.

Eye Protection :

Use chemical splash goggles (OSHA approved safety glasses) or positive pressure self-contaminated breathing apparatus.

Skin Protection :

Use Oil/Solvent resistant gloves.

Ventilation

Localized Exhaust can be used to Remove Vapors

Other :

Follow good industrial practices such as eye wash station, safety shower and rubber apron.

OCCUPATIONAL EXPOSURE LIMITS

Threshold Limit Value (TLV)	: Data not established
Effects of Overexposure	: Redness of Skin and/or Eyes
OSHA Permeable Exposure Limit (PEL)	: Data not established
Has substances been listed as a carcinogen	: No

HEALTH HAZARD INFORMATION

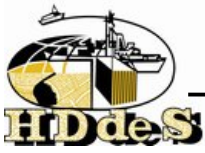
Liquid may be irritating to skin and eye. Repeated contact may cause allergic dermatological reaction. Prolonged contact/inhalation may have serious health effect. Should not be used as a fragrance ingredient at a level over 1% in a compound when skin contact is possible.

EMERGENCY AND FIRST AID PROCEDURES

Inhalation	: Remove to fresh air and call a physician.
Eye contact	: Remove contact lenses. Flush eyes with cool water for at least 15 Minutes. If irritation persists then call a physician.
Skin contact	: Remove contaminated clothing. Wash with mild soap and water.
Ingestion	: Rinse mouth. Drink Water or Milk to Dilute and Consult a physician Immediately

SPILLS, LEAK AND DISPOSAL PROCEDURE

If material spilled or released : Remove all potential sources of ignition. Contain spill with inert non-combustible absorbent and place in approved containers.



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WASTE DISPOSAL METHOD

Store in full sealed containers in cool dry place away from sources of ignition heat of direct sunlight. Do not expose to temperature above 35 degrees celsius.

HANDLING AND STORAGE

Measures should be taken to prevent materials from being splashed into the eyes or on the skin. Wear eyeshields and protective clothing. Smoking should not be permitted in work areas. Provide suitable air extraction ventilation in the work areas. Vapors may form explosive mixtures with air. Keep material away from sources of ignition (e.g. hot surfaces, sparks, flame and static discharges. To be stored in tightly sealed and preferably full containers in cool, dry and ventilated area. Protect from heat/overheating and light sources. Keep only in original container.

ACCIDENTAL RELEASE MEASURES

Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Keep people away, evacuate area. To avoid possible contamination of the Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash). Place in covered containers using non-sparking tools and transport outdoors.environment, Do not discharge into any drains, surface waters or groundwaters. Avoid open flames or sources of ignition (e.g. pilot lights on gas hot water heater). Ventilate area and wash spill site after material pickup is complete. Dispose of in accordance with current laws and regulations.

HANDLING AND SHIPPING PROCEDURES

Handle According to Good Safety Procedures avoiding Unnecessary Exposure. Store in full closed containers away from Heat, Light and Sources of Ignition, Store in cool area

Comments : Liquid with a flash point (closed cup method) not less than 60°C are Considered as non-flammable liquids.