

## 化 学 品 安 全 技 术 说 明 书

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### MSDS标题

LINALOOL TETRAHYDRIDE MSDS报告

### 产品标题

四氢沉香醇;四氢里哪醇;四氢沈香醇

### CAS号

78-69-3

### 化学品及企业标识

## PRODUCT NAME

LINALOOL TETRAHYDRIDE

## NFPA

Flammability	1
Toxicity	2
Body Contact	2
Reactivity	1
Chronic	2
SCALE: Min/Nil=0 Low=1 Moderate=2 High=3 Extreme=4	

## PRODUCT USE

Terpene alcohol. Used in perfumery.

## SYNONYMS

C10-H22-O, (CH3)2CH(CH2)3C(CH3(OH)C2H5, "3-octanol, 3, 7-dimethyl-", "3-octanol, 3, 7-dimethyl-", "2, 6-dimethyl-6-octanol", "2, 6-dimethyl-6-octanol", "(+/-)-3, 7-dimethyl-3-octanol", "(+/-)-3, 7-dimethyl-3-octanol", "3, 7-dimethyloctanol-3", "3, 7-dimethyloctanol-3", tetrahydrolinalool, "natural product", "terpene alcohol", "essential oil extract"

## CANADIAN WHMIS SYMBOLS

## EMERGENCY OVERVIEW

## RISK

HARMFUL - May cause lung damage if swallowed.  
Irritating to eyes and skin.

## POTENTIAL HEALTH EFFECTS

## ACUTE HEALTH EFFECTS

## SWALLOWED

Although ingestion is not thought to produce harmful effects, the material may still be damaging to the health of the individual following ingestion, especially where pre-existing organ (e.g. liver, kidney) damage is evident. Present definitions of harmful or toxic substances are generally based on doses producing mortality (death) rather than those producing morbidity (disease, ill-health). Gastrointestinal tract discomfort may produce nausea and vomiting. In an occupational setting however, ingestion of insignificant quantities is not thought to be cause for concern. Considered an unlikely route of entry in commercial/industrial environments. Overexposure to non-ring alcohols causes nervous system symptoms. These include headache, muscle weakness and inco-ordination, giddiness, confusion, delirium and coma. Digestive symptoms may include nausea, vomiting and diarrhea. Aspiration is much more dangerous than ingestion because lung damage can occur and the substance is absorbed into the body. Alcohols with ring structures and secondary and tertiary alcohols cause more severe symptoms, as do heavier alcohols. Essential oils cause mild irritation of the mouth if taken orally, causing more saliva to be produced and a warm feeling. Large amounts affect the digestive system causing nausea, vomiting and diarrhea. Sometimes urination may be affected, causing difficulty or pain in urinating, reduced urine output, blood in the urine, unconsciousness and shallow breathing. Lung swelling and inflammation are possible complications. Stupor, excitement and respiratory failure may result, as well as convulsions; the central nervous system may either be depressed or stimulated. The kidneys may be damaged, and swelling and severe clogging can occur in the lungs, skin and kidneys. Essential oils increase the rate of miscarriage, but in low doses do not usually cause an abortion.

## **EYE**

This material can cause eye irritation and damage in some persons. Irritating to eyes.

## **SKIN**

This material can cause inflammation of the skin on contact in some persons. Skin contact is not thought to have harmful health effects, however the material may still produce health damage following entry through wounds, lesions or abrasions. Irritating to skin. The liquid may produce skin discomfort following prolonged contact. Defatting and/or drying of the skin may lead to dermatitis. Most liquid alcohols appear to act as primary skin irritants in humans. Significant percutaneous absorption occurs in rabbits but not apparently in man. Essential oils irritate the skin and redden it, causing at first warmth and smarting, followed by some local loss of sensation. They have been used to treat chronic inflammatory conditions and to relieve neuralgia and rheumatic pain. Care should be taken to avoid blistering; these oils may also produce sensitization. Sensitization may result in allergic dermatitis responses including rash, itching, hives or swelling of extremities. The material may cause skin irritation after prolonged or repeated exposure and may produce on contact skin redness, swelling, the production of vesicles, scaling and thickening of the skin.

## **INHALED**

Inhalation may produce health damage\*. The material is not thought to produce respiratory irritation (as classified using animal models). Nevertheless inhalation of the material, especially for prolonged periods, may produce respiratory discomfort and occasionally, distress. Inhalation hazard is increased at higher temperatures. Acute effects from inhalation of high concentrations of vapor may be nose, throat and chest irritation with coughing, sneezing and possible nausea. Inhalation of essential oil volatiles may cause dizziness, rapid, shallow breathing, increased heart rate, respiratory irritation, loss of consciousness or convulsions. Urination may stop, and there may be swelling and inflammation of the lungs.

## **CHRONIC HEALTH EFFECTS**

Principal routes of exposure are usually by skin contact/absorption and inhalation of vapor. Prolonged or continuous skin contact with the liquid may cause defatting with drying, cracking, irritation and dermatitis following. Closely related to linalool, a terpene alcohol extracted from Bergamot oil. Nervous and digestive symptoms develop from repeated skin exposure to Bergamot oil. Persons sensitive to this oil may develop photodermatitis, eczema and pigment changes. As with any chemical product, contact with unprotected bare skin; inhalation of vapor, mist or dust in work place atmosphere; or ingestion in any form, should be avoided by observing good occupational work practice.