

化 学 品 安 全 技 术 说 明 书

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**MSDS标题**

HYDROCINNAMIC ACID MSDS报告

**产品标题**

β-苯丙酸; 苄基乙酸; 加氢桂皮酸; 3-苯基丙酸

**CAS号**

501-52-0

**化学品及企业标识**

**PRODUCT NAME**

HYDROCINNAMIC ACID

**NFPA**

Flammability	1
Toxicity	1
Body Contact	1
Reactivity	0
Chronic	0

SCALE: Min/Nil=0 Low=1 Moderate=2 High=3 Extreme=4

**PRODUCT USE**

Fixative for perfumes; flavouring. Inhibitor in the binding of phenylalanine to phenylalanine tRNAsynthetase. Inhibitor of carboxypeptidase Cn.

## **SYNONYMS**

C9-H10-O2, "benzene-propionic acid", "benzyl-acetic acid", "dihydrocinnamic acid", "beta-phenylpropionic acid", "3-phenylpropanoic acid", "3-phenylpropanoic acid", "propionic acid, 3-phenyl-", "propionic acid, 3-phenyl-"

## **CANADIAN WHMIS SYMBOLS**

None

## **EMERGENCY OVERVIEW**

### **RISK**

### **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.

##### **EYE**

Although the material is not thought to be an irritant, direct contact with the eye may produce transient discomfort characterized by tearing or conjunctival redness (as with windburn). The dust may produce eye discomfort causing smarting, pain and redness.

##### **SKIN**

The material is not thought to produce adverse health effects or skin irritation following contact (as classified using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting.

##### **INHALED**

The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified using animal models). Nevertheless,

good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting. Persons with impaired respiratory function, airway diseases and conditions such as emphysema or chronic bronchitis, may incur further disability if excessive concentrations of particulate are inhaled.

## **CHRONIC HEALTH EFFECTS**

Principal routes of exposure are usually by skin contact/absorption and inhalation of generated dust. No human exposure data available. For this reason health effects described are based on experience with chemically related materials. 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.

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