西亚试剂® Xiya Reagent 说明书

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化 学 品 安 全 技 术 说 明 书

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MSDS标题

LIMETTIN MSDS报告

产品标题

5,7-二甲氧基香豆素;柠美内酯;白柠檬素

CAS号

487-06-9

化学品及企业标识

PRODUCT NAME

LIMETTIN

NFPA

Flammability	1
Toxicity	2
Body Contact	0
Reactivity	0
Chronic	2

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

PRODUCT USE

Intermediate. Isolated from rind of fruit of Citrus lima Lunan (C. limetta Auth), Rutaceaea (lime), from W. Indian lime oil and citrus oils.

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SYNONYMS

C11-H10-O4, "coumarin, 5, 7-dimethoxy-", "coumarin, 5, 7-dimethoxy-", "5, 7-dimethoxycoumarin", "5, 7-dimethoxycoumarin", "2H-1-benzopyran-2-one, 5, 7-dimethoxy-", "2H-1-benzopyran-2-one, 5, 7-dimethoxy-", citraptene, citropten, citroptene, limetin

CANADIAN WHMIS SYMBOLS

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. Heparin, coumarin and indan-1,3-dione derivatives are used to kill rodents and to prevent blood clotting. They block the synthesis of prothrombin by antagonizing vitamin K. They are safe in normal use but with high does or prolonged use, they can cause bleeding accidents, especially in sensitive persons. Symptoms of poisoning include nausea and vomiting; effects may be delayed for days. Other symptoms include bleeding gums, easy bruising, blood in the urine and excessive bleeding from minor wounds. Severe poisonings can cause shock, coma and death.

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).

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.

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Coumarin and its derivatives may act as slight allergens in contact withskin.

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. Repeated exposure to some coumarin derivatives may cause nosebleed, bleeding gut and pharynx, dark red bleeding spots, widespread bruising, blood swelling, blood in the phlegm, vomitus, urine or stools. Bleeding into the organs, digestive tract, joints, abdomen can cause localized pain. Exposure at work can cause anemia with weakness, pallor and shock. Many coumarins cause mutations and cancer. Coumarins also inhibit tumor production by carcinogens and inhibit metastasis.

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