

化 学 品 安 全 技 术 说 明 书

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MSDS标题

PANCREATIN MSDS报告

产品标题

胰醇素;胰酶制剂;胰液素;胰消化素;胰酵素;胰腺酶

CAS号

8049-47-6

化学品及企业标识

PRODUCT NAME

PANCREATIN

NFPA

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

PRODUCT USE

Laboratory reagent; preparation of protein nutrients Enzyme that converts protein into proteoses; converts starch into dextrins and sugars.

SYNONYMS

"enzyme pancreatin", "pancreas enzyme", "enzyme protein", "mixed enzymes", "dipasatase vera", pandrotanon, zypanar, amylase, trypsin, lipase

CANADIAN WHMIS SYMBOLS

EMERGENCY OVERVIEW

RISK

May cause SENSITIZATION by inhalation.

POTENTIAL HEALTH EFFECTS

ACUTE HEALTH EFFECTS

SWALLOWED

The material has NOT been classified as "harmful by ingestion". This is because of the lack of corroborating animal or human evidence. 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, unintentional ingestion is not thought to be cause for concern.

EYE

Although the material is not thought to be an irritant, direct contact with the eye may cause transient discomfort characterized by tearing or conjunctival redness (as with windburn). Slight abrasive damage may also result. The material may produce foreign body irritation in certain individuals.

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. Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.

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.

CHRONIC HEALTH EFFECTS

Inhaling this product is more likely to cause a sensitization reaction in some persons compared to the general population. Limited evidence suggests that repeated or long-term occupational exposure may produce cumulative health effects involving organs or biochemical systems. There is limited evidence that, skin contact with this product is more likely to cause a sensitization reaction in some persons compared to the general population. Dusts produced by proteins can sometimes sensitize workers like other foreign bodies. Symptoms include asthma appearing soon after exposure, with wheezing, narrowing of the airways and breathing difficulties. There may also be a chronic cough, phlegm, fever, muscle pains, fatigue and airway obstruction; chest X-rays may show a characteristic net-like pattern or scarring at the tip and base. There may also be chest discomfort, headache, stomachache and a general feeling of unwellness. Often the clinical picture is similar to "farmer's lung" and other allergic lung inflammations. Prolonged contact with the skin can cause pain, redness, inflammation and ulceration. Repeated attacks can cause loss of lung function due to scarring. Long term exposure to high dust concentrations may cause changes in lung function i.e. pneumoconiosis; caused by particles less than 0.5 micron penetrating and remaining in the lung. Prime symptom is breathlessness; lung shadows show on X-ray. Dusts produced by enzymes can attack the respiratory system. Allergic asthma produced after exposure includes spasm, cough and wheezing. Other symptoms include chronic cough, phlegm, fever, muscle pains, fatigue, airway obstruction, and scarring at the top or base of the lungs. There may also be abdominal pain, headache, stomach-ache and a general feeling of unwellness. Prolonged contact can result in skin soreness, redness, inflammation and possible ulceration. There may also be loss of lung function due to scarring.