

## 化 学 品 安 全 技 术 说 明 书

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### MSDS标题

URIC ACID MSDS报告

### 产品标题

7, 9-二氢-2,6,8(3H)三酮-1H-嘌呤; 2, 6, 8-三羟基嘌呤

### CAS号

69-93-2

### 化学品及企业标识

## PRODUCT NAME

URIC ACID

## NFPA

Flammability	0
Toxicity	2
Body Contact	0
Reactivity	1
Chronic	0

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

## PRODUCT USE

Intermediate. Chief end product of metabolism of birds and of scaly reptiles and found in their excrement. Present in the urine of all carnivores.

## **SYNOMYMS**

C5-H4-N4-O3, "7, 9-dihydro-1H-purine-2, 6, 8(3H)-trione", "7, 9-dihydro-1H-purine-2, 6, 8(3H)-trione", "lithic acid", "1H-purine-2, 6, 8(3H)-trione, 7, 9-dihydro-", "1H-purine-2, 6, 8(3H)-trione, 7, 9-dihydro-", "2, 6, 8-trihydroxypurine", "2, 6, 8-trihydroxypurine", "2, 6, 8-trioxopurine", "2, 6, 8-trioxopurine", "2, 6, 8-trioxopurine", "2, 6, 8-trioxopurine", "8-hydroxyxanthine, 8-hydroxyxanthine, "purine-2, 6, 8-triol", "purine-2, 6, 8-triol"

## **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. Accidental ingestion of the material may be damaging to the health of the individual. At sufficiently high doses the material may be nephrotoxic(i.e. poisonous to the kidney).

#### **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 either adverse health effects or irritation of the respiratory tract following inhalation (as classified using animal models). Nevertheless, adverse effects have been produced following exposure of animals by at least one other route and 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**

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. Long-term exposure to the product is not thought to produce chronic effects adverse to the health (as classified using animal models); nevertheless exposure by all routes should be minimized as a matter of course.