

## 化 学 品 安 全 技 术 说 明 书

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### MSDS标题

ZINC ACETYLACETONATE MSDS报告

### 产品标题

乙酰丙酮锌(II);乙酰丙酮锌;乙酰丙酮锌;乙酰丙酮锌一水

### CAS号

14024-63-6

### 化学品及企业标识

## PRODUCT NAME

ZINC ACETYLACETONATE

## 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

Catalyst in synthesis of long- chain alcohols and aldehydes, textile weighting agent.

## SYNONYMS

C10-H14-O4-Zn, [CH3COCH=C(O-)CH3]2Zn, "zinc acetoacetate", "zinc, bis(2, 4-pentanedionato)-", bis(acetylacetonato)zinc, bis(pentanedionato)zinc, "zinc acetylacetone chelate", "zinc bis(acetylacetonate)", "zinc bis(acetylacetone)", "zinc bis(2, 4-pentanedionate)", "zinc, bis(2, 4-pentanedionato-O, O')-, (T-4)-", "zinc diacetoacetate", "zinc (II) acetylacetonate", "zinc (II) acetylacetonate", "zinc 2, 4-pentanedione", "zinc 2, 4-pentanedione"

## CANADIAN WHMIS SYMBOLS

## EMERGENCY OVERVIEW

## RISK

## POTENTIAL HEALTH EFFECTS

## ACUTE HEALTH EFFECTS

### SWALLOWED

Accidental ingestion of the material may be damaging to the health of the individual. At sufficiently high doses the material may be neurotoxic(i.e. poisonous to the nervous system).

### 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. Open cuts, abraded or irritated skin should not be exposed to this material. 2,4-Pentadione may produce contact dermatitis or urticaria. Prolonged contact with 2,4-pentanedione may produce severe discomfort or pain, redness and swelling and corrosion, ulceration and development of fissures. The inflamed area may show bleeding. 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**

There is some evidence to suggest that the material can cause respiratory irritation in some persons. The body's response to such irritation can cause further lung damage. 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. At sufficiently high doses the material may be neurotoxic(i.e. poisonous to the nervous system).

## **CHRONIC HEALTH EFFECTS**

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. 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. Repeated overexposure to 200 ppm 2,4-pentanedione vapor may result in inflammation of the nasal mucosa. Higher concentrations may produce central nervous system effects, and immune system and bone marrow deficits. Recurrent exposure to high concentrations of the 2,4-pentadione vapor (~650 ppm) produces lethal degenerative lesions in the central nervous system and thymus. Exposure in pregnancy can damage to fetus. Welding or flame cutting of metals with zinc or zinc dust coatings may result in inhalation of zinc oxide fume; high concentrations of zinc oxide fume may result in "metal fume fever"; also known as "brass chills", an industrial disease of short duration. [I.L.O] Symptoms include malaise, fever, weakness, nausea and may appear quickly if operations occur in enclosed or poorly ventilated areas. In use the substance may decompose to produce 2,4-pentanedione a powerful neurotoxin.