

化 学 品 安 全 技 术 说 明 书

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**MSDS标题**

YTTERBIUM(III) TRIS(HEPTAFLUORODIMETHYLOCT MSDS报告

**产品标题**

三(1, 1, 1, 2, 2, 3, 3-七氟-7, 7-二甲基-4, 6-辛二酮)合铈

**CAS号**

18323-96-1

**化学品及企业标识**

**PRODUCT NAME**

YTTERBIUM(III) TRIS(HEPTAFLUORODIMETHYLOCTANEDIONATE)

**NFPA**

Flammability	1
Toxicity	1
Body Contact	0
Reactivity	0
Chronic	2

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

**PRODUCT USE**

NMR shift reagent.

## **SYNONYMS**

C30-H30-F21-O6-Yb, "tris(6, 6, 7, 7, 8, 8, 8-heptafluoro-2, 2-dimethyl-3, 5-octanedionato)ytterbium", "tris(6, 6, 7, 7, 8, 8, 8-heptafluoro-2, 2-dimethyl-3, 5-octanedionato)ytterbium", Yb(fod)<sub>3</sub>, "NMR reagent"

## **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.

### **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.

### **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. Ytterbium is a rare earth metal - heavy type (yttrium family). There has been no reports of poisoning in workers, although the metal can cause chest X-ray abnormalities due to its high density. It can cause scarring of the lungs, anemia and changes in blood cell distribution, due to inhalation of their dusts.

Xinya