

## 化 学 品 安 全 技 术 说 明 书

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### MSDS标题

HEPARIN DISACCHARIDE I-S, SODIUM SALT MSDS报告

### 产品标题

肝素二糖I-S,四钠盐

### CAS号

136098-10-7

### 化学品及企业标识

## PRODUCT NAME

HEPARIN DISACCHARIDE I-S, SODIUM SALT

## STATEMENT OF HAZARDOUS NATURE

Not considered a hazardous substance according to OSHA 29 CFR 1910.1200.

## NFPA

Flammability	1
Toxicity	1
Body Contact	0
Reactivity	1
Chronic	0

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

## PRODUCT USE

Reagent.

## SYNONYMS

C12-H15-N-O19-S3-Na4, C12-H15-N-O19-S3-Na4, "alpha-4-deoxy-L-threo-hex-4-enopyranosyluronic acid-[1->4]-2-sulfate-D-glucoso-N-sulfo-6-sulfate, sodium", "alpha-4-deoxy-L-threo-hex-4-enopyranosyluronic acid-[1->4]-2-sulfate-D-glucoso-N-sulfo-6-sulfate, sodium"

## 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. 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. Not normally a hazard due to non-volatile nature of product.

## **CHRONIC HEALTH EFFECTS**

Principal routes of exposure are usually by inhalation of generated dust and skin contact. No human exposure data available. For this reason health effects described are based on experience with chemically related materials. As with any chemical product, contact with unprotected bare skin; inhalation of vapor, mist or dust in work place atmosphere; or ingestion in any form, should be avoided by observing good occupational work practice.

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