

## 化 学 品 安 全 技 术 说 明 书

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### MSDS标题

HEMIN MSDS报告

### 产品标题

卟啉铁; 盐酸血红素; 氯化高铁血红素; 血晶素

### CAS号

16009-13-5

### 化学品及企业标识

## PRODUCT NAME

HEMIN

## NFPA

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

## PRODUCT USE

Identification of blood stains, biochemical research, complexing agent.

## SYNONYMS

C34-H32-Cl-Fe-N4-O4, "chloro[7, 12-diethenyl-3, 8, 13, 17-tetramethyl-21H, 23H-porphine-2, 18-dipropionato(4-)-N21, N22, N23, N24]ferrate(2-)dihydrogen", "chloro[7, 12-diethenyl-3, 8, 13, 17-tetramethyl-21H, 23H-porphine-2, 18-dipropionato(4-)-N21, N22, N23, N24]ferrate(2-)dihydrogen", haemin, "bovine hemin, crystalline", "hematin hydrochloride", hemin(chloride), chloroferriprotoporphyrin, chlorohemin, "chloro(protoporphyrinato) iron (III)", "chloro(protoporphyrinato) iron (III)", "ferriprotoporphyrin IX chloride", "ferriprotoporphyrin IX chloride", "Teichmann's crystals", "chloride of heme"

## 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). The dust may produce eye discomfort causing smarting, pain and redness.

## 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. 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 and inhalation of generated dust. Elevated levels may increase the pulse rate and increase blood pressure. Histological changes have been noted in kidney, ureter and bladder. Chronic excessive intake of iron have been associated with damage to the liver and pancreas. People with a genetic disposition to poor control over iron are at an increased risk. Iron overload in men may lead to diabetes, joint inflammation, liver cancer, heart irregularities and problems with other organs.