

## 化 学 品 安 全 技 术 说 明 书

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### MSDS标题

VITAMIN F MSDS报告

### 产品标题

5, 8, 11, 14-二十碳四烯酸

### CAS号

506-32-1

化学品及企业标识

### PRODUCT NAME

VITAMIN F

### STATEMENT OF HAZARDOUS NATURE

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

### NFPA

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

## PRODUCT USE

A mixture of essential unsaturated fatty acids given as dietary supplements. Unsaturated fatty acids and oils containing them are often given to lower blood cholesterol and lipid concentrations in patients with hypercholesterolaemia. Sometimes given by mouth or applied externally in eczema and other skin diseases. Early experiments with albino rats concluded dietary deficiencies resulting from low fat diets could be cured by linoleic or linolenic and arachidonic acid. Human evidence is poor and the term "Vitamin F" has become discredited.

## SYNONYMS

"essential unsaturated fatty acid", EFA

## 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. Inhalation hazard is increased at higher temperatures.

## **CHRONIC HEALTH EFFECTS**

Principal routes of exposure are usually by skin contact and inhalation of vapor from heated material. 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.