

## 化 学 品 安 全 技 术 说 明 书

填表时间 2019-12-30

打印时间 2025-07-01

### MSDS标题

VINYL PROPYL ETHER MSDS报告

### 产品标题

正丙基乙烯基醚

### CAS号

764-47-6

### 化学品及企业标识

## PRODUCT NAME

VINYL PROPYL ETHER

## NFPA

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

## PRODUCT USE

Monomer for manufacture of vinyl ether polymers.

## SYNONYMS

C5-H10-O, CH<sub>3</sub>CH<sub>2</sub>CH<sub>2</sub>OCH=CH<sub>2</sub>, PVE, "ethene, propoxy", "propoxy ethene", "propyl vinyl ether"

## CANADIAN WHMIS SYMBOLS

## EMERGENCY OVERVIEW

### RISK

May form explosive peroxides.

HARMFUL - May cause lung damage if swallowed.

Highly flammable.

## 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. Overexposure is unlikely in this form and quantity. Ingestion may result in nausea, pain, vomiting. Vomit entering the lungs by aspiration may cause potentially lethal chemical pneumonitis. Ingestion of alkyl ethers may produce stupor, blurred vision, headache, dizziness and irritation of the nose and throat. Respiratory distress and asphyxia may result.

#### EYE

There is some evidence to suggest that this material can cause eye irritation and damage in some persons. The liquid produces a high level of eye discomfort and is capable of causing pain and severe conjunctivitis. Corneal injury may develop, with possible permanent impairment of vision, if not promptly and adequately treated. Eye contact with alkyl ethers (vapor or liquid) may produce irritation, redness and tears.

#### SKIN

Skin contact with the material may damage the health of the individual; systemic effects may result following absorption. The material is not

thought to be a skin irritant (as classified using animal models). Temporary discomfort, however, may result from prolonged dermal exposures. Good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting. Toxic effects may result from skin absorption. Absorption by skin may readily exceed vapor inhalation exposure. Symptoms for skin absorption are the same as for inhalation. Bare unprotected skin should not be exposed to this material. The material may accentuate any pre-existing skin condition. Alkyl ethers may defat and dehydrate the skin producing dermatoses. Absorption may produce headache, dizziness, and central nervous system depression.

## **INHALED**

Inhalation may produce health damage\*. The material is not thought to produce respiratory irritation (as classified using animal models). Nevertheless inhalation of the material, especially for prolonged periods, may produce respiratory discomfort and occasionally, distress. Material is highly volatile and may quickly form a concentrated atmosphere in confined or unventilated areas. Vapor is heavier than air and may displace and replace air in breathing zone, acting as a simple asphyxiant. This may happen with little warning of overexposure. Following inhalation, ethers cause lethargy and stupor. Inhaling lower alkyl ethers results in headache, dizziness, weakness, blurred vision, seizures and possible coma. Low blood pressure, slow heartbeat and cardiovascular collapse may be seen with throat irritation, irregular breathing, pulmonary edema and respiratory arrest. Nausea, vomiting and salivation may be seen. There have been deaths reported, and convulsions and paralysis can be found in severe cases. Massive exposures can cause damage to the kidney and liver. If exposure to highly concentrated solvent atmosphere is prolonged this may lead to narcosis, unconsciousness, even coma and possible death. Inhalation of vapor may aggravate a pre-existing respiratory condition.

## **CHRONIC HEALTH EFFECTS**

Principal routes of exposure are usually by skin contact with the liquid and inhalation of vapor. Chronic exposure to alkyl ethers may result in loss of appetite, excessive thirst, fatigue, and weight loss.