

## 化 学 品 安 全 技 术 说 明 书

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### MSDS标题

UNION CARBIDE UCARSIL FR-1A ORGANOSILICON CH MSDS报告

### 产品标题

3-甲基丙烯酰氧基丙基三甲氧基硅烷;3-(甲基丙烯酰氧)丙基三甲氧基硅烷

### CAS号

2530-85-0

### 化学品及企业标识

## PRODUCT NAME

UNION CARBIDE UCARSIL FR-1A ORGANOSILICON CHEM\*\*\*OBSOLETE\*

## NFPA

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

## PRODUCT USE

Curing/crosslinking agent/free radical generator for polymers.

## SYNONYMS

"Organosilicon chemical mixture", "polyfunctional acrylates and silicones"

## CANADIAN WHMIS SYMBOLS

## EMERGENCY OVERVIEW

### RISK

May cause SENSITIZATION by skin contact.  
Irritating to eyes, respiratory system and skin.  
Harmful to aquatic organisms.

## 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.

#### EYE

This material can cause eye irritation and damage in some persons. The material may produce moderate eye irritation leading to inflammation. Repeated or prolonged exposure to irritants may produce conjunctivitis.

#### SKIN

This material can cause inflammation of the skin on contact in some persons. Skin contact is not thought to have harmful health effects, however the material may still produce health damage following entry through wounds, lesions or abrasions. All multifunctional acrylates (MFA) produce skin disorders and sensitize the skin and inflammation. Vapors generated by the heat of milling may occur in sufficient concentration to produce inflammation. Because exposure to industrial aerosols of MFA includes exposure to resin systems, photo-initiators, solvents, hydrogen-transfer agents, stabilizers, surfactants, fillers and polymerization inhibitors, poisoning may arise due to a range of chemical actions. Irritation may not occur immediately but may be delayed 24-48 hours. Sensitization reactions

may appear suddenly after repeated symptom free exposures. The material may cause skin irritation after prolonged or repeated exposure and may produce on contact skin redness, swelling, the production of vesicles, scaling and thickening of the skin. Bare unprotected skin should not be exposed to this material. The material may accentuate any pre-existing skin condition.

## **INHALED**

Inhalation may produce health damage\*. If inhaled, this material can irritate the throat and lungs of some persons. Inhalation hazard is increased at higher temperatures. Acute effects from inhalation of high vapor concentrations may be chest and nasal irritation with coughing, sneezing, headache and even nausea. No report of respiratory illness in humans as a result of exposure to multifunctional acrylates has been found.

## **CHRONIC HEALTH EFFECTS**

Skin contact with the material is more likely to cause a sensitization reaction in some persons compared to the general population.

Principal routes of exposure are usually by skin contact/eye contact and inhalation of vapor. Sensitization may give severe responses to very low levels of exposure, i.e. hypersensitivity. Sensitized persons should not be allowed to work in situations where exposure may occur.