

## 化 学 品 安 全 技 术 说 明 书

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### MSDS标题

KONICA COLOR NEGATIVE FILM DEVELOPER REPLEN MSDS 报告

### 产品标题

彩色显影剂CD-4;2-[(4-氨基-3-甲基苯基)乙基氨基]乙醇硫酸盐

### CAS号

25646-77-9

### 化学品及企业标识

## PRODUCT NAME

KONICA COLOR NEGATIVE FILM DEVELOPER REPLENISHER PART C

## NFPA

Flammability	0
Toxicity	3
Body Contact	2
Reactivity	0
Chronic	2

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

## PRODUCT USE

Colour developer preparation for photographic use.

# **CANADIAN WHMIS SYMBOLS**

## **EMERGENCY OVERVIEW**

### **RISK**

Toxic if swallowed.

May cause SENSITIZATION by skin contact.

Harmful: danger of serious damage to health by prolonged exposure if swallowed.

Very toxic to aquatic organisms, may cause long- term adverse effects in the aquatic environment.

### **POTENTIAL HEALTH EFFECTS**

#### **ACUTE HEALTH EFFECTS**

##### **SWALLOWED**

Toxic effects may result from the accidental ingestion of the material; animal experiments indicate that ingestion of less than 40 gram may be fatal or may produce serious damage to the health of the individual. Ingestion of sulfite salts may cause gastric irritation. Large doses may produce violent colic, diarrhea, circulatory disturbance, depression of vital functions and, sometimes, death.

##### **EYE**

There is some evidence to suggest that this material can cause eye irritation and damage in some persons. This material can cause eye irritation and damage in some persons.

##### **SKIN**

This material can cause inflammation of the skin on contact in some persons. The material may accentuate any pre-existing dermatitis condition. Entry into the blood-stream, through, for example, cuts, abrasions or lesions, may produce systemic injury with harmful effects. Examine the skin prior to the use of the material and ensure that any external damage is suitably protected.

##### **INHALED**

There is some evidence to suggest that this material, if inhaled, can irritate the throat and lungs of some persons. Inhalation of vapors or aerosols (mists, fumes), generated by the material during the course of normal handling, may produce serious damage to the health of the individual. The material can cause respiratory irritation in some persons. The body's response to such irritation can cause further lung damage.

## CHRONIC HEALTH EFFECTS

Limited evidence suggests that repeated or long-term occupational exposure may produce cumulative health effects involving organs or biochemical systems. There is some evidence that inhaling this product is more likely to cause a sensitization reaction in some persons compared to the general population. Skin contact with the material is more likely to cause a sensitization reaction in some persons compared to the general population. Most arylamines are powerful poisons to the blood-making system. High chronic doses cause congestion of the spleen and tumor formation. Sulfites and bisulfites can cause narrowing of the airways, stomach upset, flushing, low blood pressure, tingling sensation, itchy wheal, swelling and shock, and asthmatics are especially prone. They induce allergic-like reactions which can occur on first contact with the material. Contact allergies quickly manifest themselves as contact eczema, more rarely as urticaria or Quincke's edema. The pathogenesis of contact eczema involves a cell-mediated (T lymphocytes) immune reaction of the delayed type. Other allergic skin reactions, e.g. contact urticaria, involve antibody-mediated immune reactions. The significance of the contact allergen is not simply determined by its sensitization potential: the distribution of the substance and the opportunities for contact with it are equally important. A weakly sensitizing substance which is widely distributed can be a more important allergen than one with stronger sensitizing potential with which few individuals come into contact. From a clinical point of view, substances are noteworthy if they produce an allergic test reaction in more than 1% of the persons tested.