

## 化 学 品 安 全 技 术 说 明 书

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### MSDS标题

KODAK HANIMEX X-RAY DEVELOPER REPLENISHER W MSDS报告

### 产品标题

无水亚硫酸钾

### CAS号

10117-38-1

### 化学品及企业标识

## PRODUCT NAME

KODAK HANIMEX X-RAY DEVELOPER REPLENISHER WORKING SOLUTION

## NFPA

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

## PRODUCT USE

Professional medical X- ray film photographic processing solution; the working solution for radiographic film.

## **SYNONYMS**

"medical x-ray film photographic processing solution"

## **CANADIAN WHMIS SYMBOLS**

## **EMERGENCY OVERVIEW**

## **RISK**

Irritating to eyes.

May cause SENSITIZATION by skin contact.

Limited evidence of a carcinogenic effect.

Possible risk of irreversible effects.

Toxic 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. 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**

This material can cause eye irritation and damage in some persons.

## **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. The material may accentuate any pre-existing skin condition. Open cuts, abraded or irritated skin should not be exposed to this material. Toxic effects may result from skin absorption.

## **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.

## **CHRONIC HEALTH EFFECTS**

There has been concern that this material can cause cancer or mutations, but there is not enough data to make an assessment. 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/absorption. 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. 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.