

化 学 品 安 全 技 术 说 明 书

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MSDS标题

HYDROGEN IODIDE MSDS报告

产品标题

碘化氢;碘氢酸

CAS号

10034-85-2

化学品及企业标识

PRODUCT NAME

HYDROGEN IODIDE

NFPA

Flammability	0
Toxicity	3
Body Contact	4
Reactivity	2
Chronic	2

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

PRODUCT USE

Reagent.

SYNONYMS

HI, "anhydrous hydriodic acid"

CANADIAN WHMIS SYMBOLS

EMERGENCY OVERVIEW

RISK

Reacts violently with water.

Toxic by inhalation.

Causes severe burns.

Risk of serious damage to eyes.

Risk of explosion if heated under confinement.

POTENTIAL HEALTH EFFECTS

ACUTE HEALTH EFFECTS

SWALLOWED

The material can produce severe chemical burns within the oral cavity and gastrointestinal tract following ingestion. Considered an unlikely route of entry in commercial/industrial environments.

EYE

The material can produce severe chemical burns to the eye following direct contact. Vapors or mists may be extremely irritating. If applied to the eyes, this material causes severe eye damage.

SKIN

The material can produce severe chemical burns following direct contact with the skin. Toxic effects may result from skin absorption.

INHALED

If inhaled, this material can irritate the throat and lungs of some persons. Inhalation of quantities of liquid mist may be extremely hazardous, even lethal due to spasm, extreme irritation of larynx and bronchi, chemical pneumonitis and pulmonary edema.

CHRONIC HEALTH EFFECTS

The gas presents a hazard from a single acute exposure. Primary route of exposure is via inhalation. Chronic exposure may cause discolouration or

erosion of the teeth, bleeding of the nose and gums; and ulceration of the nasal mucous membranes. Repeated or prolonged exposure to dilute solutions may cause dermatitis. Iodine and iodides cause goiter and diminished as well as increased activity of the thyroid gland. A toxic syndrome resulting from chronic iodide overdose and from repeated administration of small amounts of iodine is characterized by excessive saliva production, head cold, sneezing, conjunctivitis, headache, fever, laryngitis, inflammation of the bronchi and mouth cavity, inflamed parotid gland, and various skin rashes. Swelling and inflammation of the throat, irritated and swollen eyes and lung swelling may also occur. Swelling of the glottis, necessitating a tracheotomy has been reported. Use of iodides in frequency can cause fetal death, severe goiter, hypothyroidism and the cretinoid appearance of the newborn. One ingredient of the product has caused skin sensitization reactions, shown as localized reddening and hives, or may produce respiratory sensitization characterized by asthma-like symptoms and runny nose.

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