

# CHEM INTERNATIONAL

## **MATERIAL SAFETY DATA SHEET**

**EMERGENCY #: CANUTEC (613) 996-6666**

### PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

**PRODUCT NAME:** CI Scalzoff

**EFFECTIVE DATE:** January 9, 2009

**WHMIS CLASS:** E, Corrosive Material.

**T.D.G. CLASSIFICATION:** 8 ,Corrosive Liquid, Acidic, Organic N.O.S (lactic acid) UN:3265

**PG:** III

**MATERIAL USE:** Descaler

### HAZARDOUS INGREDIENTS

CHEMICAL NAME	CAS #	%WT	ACGIH	OSHA	TOXICITY DATA
lactic acid (88%)	79-33-4	79-33-4	N/AV	N/AV	LD50 Oral (rabbit) 3730 mg/kg LD50 Dermal (rabbit) 7940 mg/kg

### PHYSICAL DATA

**BOILING POINT:** N/AV

**VAPOUR PRESSURE (mm Hg):** N/AV

**VAPOUR DENSITY (Air=1):** N/AV

**SOLUBILITY IN WATER:** 100%

**PHYSICAL STATE:** Liquid

**pH:** 1 – 1% sol 1.9

**APPEARANCE AND ODOUR:** Clear red odourless liquid.

**COEF. OF WATER/OIL DIST.:** N/AV

**SPECIFIC GRAVITY (H<sub>2</sub>O=1):** 1.157

**% VOLATILE (by vol.):** N/AV

**EVAPORATION RATE (H<sub>2</sub>O=1):** N/AV

**ODOUR THRESHOLD:** N/AV

**FREEZING POINT:** N/AV

### FIRE AND EXPLOSION DATA

**FLAMMABILITY:** Non flammable.

**FLASH POINT:** N/AP

**UEL:** N/AP

**LEL:** N/AP

**HAZARDOUS COMBUSTION PRODUCTS:** May liberate carbon monoxide, carbon dioxide and oxides of sodium.

**MEANS OF EXTINCTION:** Use extinguishing media for surrounding area.

**SPECIAL FIRE HAZARDS:** As for surrounding fire. Fire fighters should wear full protective clothing and self contained breathing equipment.

**AUTO IGNITION TEMP:** N/AP

**EXPLOSION DATA-SENSITIVITY TO MECHANICAL IMPACT:** N/AP

**STATIC DISCHARGE:** N/AP

### REACTIVITY DATA

**CHEMICAL STABILITY:** Stable under normal conditions.

**INCOMPATIBILITY:** ( ) Water (X) Oxidizers ( ) Acid (X) Base ( ) Other

**HAZARDOUS DECOMPOSITION PRODUCTS:** N/AV

**REACTIVITY:** Reacts with metals.

### FIRST AID

**EYE:** Flush with plenty of water for at least 15 minutes. Get medical attention.

**SKIN:** Remove contaminated clothing and flush with plenty of water.

**INHALATION:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**INGESTION:** Induce vomiting only on the direct advice of a poison control centre. Drink 1-2 glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.

## TOXICOLOGICAL PROPERTIES

**ROUTE OF ENTRY:** Eyes contact ( ), Skin contact ( ), Skin absorption ( ), Inhalation ( ), Ingestion ( )

**EFFECTS OF ACUTE EXPOSURE:**

**EYE:** Corrosive to eyes. Causes severe burns.

**SKIN:** Corrosive to skin. Causes severe burns.

**INHALATION:** Corrosive to respiratory system.

**INGESTION:** Harmful if swallowed. Causes burns to mouth, throat and stomach.

**EFFECTS OF CHRONIC EXPOSURE:**

**SKIN:** N/AP

**INHALATION:** Repeat or prolonged exposure may cause damage to lungs.

**IRRITANCY:** See WHMIS criteria

**SENSITIZATION:** N/AV

**CARCINOGENICITY:** No known significant effects.

**REPRODUCTIVE TOXIN:** No known significant effects.

**TERATOGENICITY:** No known significant effects.

**MUTAGENICITY:** No known significant effects.

**SYNERGISTIC MATERIALS:** N/AV

**EXPOSURE LIMITS:** N/AV

## PREVENTATIVE MEASURES

**HAND PROTECTION:** Wear protective clothing as necessary to prevent skin contact.

**EYE PROTECTION:** Chemical goggles. Wear a face shield if splashing hazards exists.

**RESPIRATORY PROTECTION:** If exposure exceeds occupational exposure limits, use an appropriate NIOSH approved respirator

**BODY PROTECTION:** Wear protective clothing as necessary to prevent skin contact.

**FOOT PROTECTION:** Wear protective clothing as necessary to prevent skin contact.

**ENGINEERING CONTROLS:** Provide exhaust ventilation to keep airborne levels below recommended exposure limits.

**LEAK AND SPILL PROCEDURE:** Isolate hazard area and restrict access. Small spills: soak up with inert absorbent material and scoop into containers. Large spills: prevent contamination of waterways. Dike and pump into suitable containers. Clean up residual with absorbent material, place in appropriate container and flush with water. Prevent from entering sewers, waterways or low areas.

**WASTE DISPOSAL:** Review federal, provincial and local government requirements prior to disposal.

**STORAGE REQUIREMENTS:** Keep out of reach of children. Keep container tightly closed. Store in a cool, dry area.

**HANDLING PROCEDURES:** Do not ingest. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Wear appropriate protective equipment.

N/AP= NOT APPLICABLE · N/E=NOT ESTABLISHED · N/D=NOT DETERMINED · N/AV=NOT AVAILABLE  
<=LESS THAN - >=MORE THAN

## HMIS HAZARD RATING INFORMATION

**FIRE**

**REACTIVITY**

**HEALTH**

**PERSONAL PROTECTION**

0 – Minimal, 1- Slight, 2 – Moderate, 3 – Serious, 4 – Extreme.

DISCLAIMER: Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases, data is not available and is so stated. Since conditions of actual product use are beyond the control of the supplier, it is assumed that the user of this material has been fully trained according to the mandatory requirements of WHMIS. No warranty, expressed or implied is made, and supplier will not be liable for any losses, injuries, or consequential damage that may result from the use or reliance on any information contained in this form.

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