

**CHEM INTERNATIONAL****MATERIAL SAFETY DATA SHEET****EMERGENCY #: CANUTEC (613) 996-6666****PRODUCT IDENTIFICATION AND PREPARATION INFORMATION****PRODUCT NAME:** C.I. 444 – Granular Sewer Cleaner**EFFECTIVE DATE:** January 5, 2009**WHMIS CLASS:** N/AV**T.D.G. CLASSIFICATION:** Sodium Hydroxide solid mixture**UN:** 1823**CLASS:** Pri 8, Sec 9.2**PG:** II**CHEMICAL FAMILY:** Alkali**MATERIAL USE:** To clean drains**HAZARDOUS INGREDIENTS**

INGREDIENTS	CAS #	Wt%	TLV	LD50	LC50
Sodium Hydroxide	1310-73-2	60-100	2mg/M <sup>3</sup> Ceiling	500 mg/Kg Oral, Rabbit	N/AV
Sodium Nitrate	7631-99-4	10-30	N/AV	2680 mg/Kg	N/AV

**PHYSICAL DATA****BOILING POINT (°C):** 1376°C**COEF. OF WATER/OIL DIST.:** N/AP**VAPOUR PRESSURE (mm Hg):** N/AP**SPECIFIC GRAVITY:** 2 @ 15.5°C**VAPOUR DENSITY (Air=1):** N/AP**PERCENT VOLATILE (by vol.):** N/AP**SOLUBILITY IN WATER:** Very soluble**EVAPORATION RATE (H<sub>2</sub>O=1):** N/AP**PHYSICAL STATE:** Solid**ODOUR THRESHOLD:** N/AP**PH (as supplied):** N/AP**FREEZING POINT (°C):** 318°C**DENSITY (g/ml):** .969**APPEARANCE AND ODOUR:** Red, odorless**FIRE AND EXPLOSION DATA****FLAMMABILITY:** Sodium Nitrate explosive @ 1000°C**FLASH POINT:** N/AV**UEL:** N/AV**LEL:** N/AV**MEANS OF EXTINCTION:** Water fog**SPECIAL FIRE HAZARDS:** Wear full protective clothing**AUTO IGNITION TEMP:** N/AV**REACTIVITY DATA****CONDITIONS FOR CHEMICAL INSTABILITY:** Do not mix with chlorinated hydrocarbons, strong mineral acids, ammonium salts**INCOMPATIBILITY:** Water, Acid**HAZARDOUS DECOMPOSITION PRODUCTS:** Evolves hydrogen when mixed with water and from aluminum**REACTIVITY:****FIRST AID****EYE:** Wash eyes thoroughly with water for 15 minutes. Call a physician**SKIN:** Remove clothing, flush with water for 15 minutes. Get medical attention immediately.**INHALATION:** Remove patient to fresh air. If discomfort persists, seek medical attention**INGESTION:** Rinse mouth with water. Give large quantities of water to drink. Seek medical attention immediately

## **TOXICOLOGICAL PROPERTIES**

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

**EFFECTS OF ACUTE EXPOSURE:**

**EYE:** May cause ulceration of eye

**SKIN:** Severe burning, frequently deep ulcerations and ultimate scarring of skin.

**INHALATION:** Irritating to mucous membrane and respiratory tract.

**INGESTION:** Burning in mouth, esophagus: nausea, vomiting, abdominal pain and swelling of larynx.

**EFFECTS OF CHRONIC EXPOSURE:**

**CARCINOGENICITY:** N/AV

**REPRODUCTIVE TOXIN:** N/AV

**TERATOGENICITY:** N/AV

**MUTAGENICITY:** N/AV

**SYNERGISTIC MATERIALS:** None known

## **PREVENTATIVE MEASURES**

**HAND PROTECTION:** Gloves – rubber, vinyl or neoprene

**EYE PROTECTION:** Goggles or face shield

**RESPIRATORY PROTECTION:** Dust type

**FOOT PROTECTION:** Rubber boots

**LEAK AND SPILL PROCEDURE:** For small spills, clean up sewer cleaner, wash area with water and flush down drain. For large spills, clean up chemical with absorbent. Do not allow chemicals to enter sewers or waterways.

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

**STORAGE REQUIREMENTS:** Store in a cool well-ventilated area.

**HANDLING PROCEDURES:** Protect against physical damage

## **HMIS HAZARD RATING INFORMATION**

**FIRE**

**REACTIVITY**

**HEALTH**

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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