

CHEM INTERNATIONAL

MATERIAL SAFETY DATA SHEET

EMERGENCY#: CANUTEC (613) 996-6666

PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

PRODUCT NAME: C.I. Grill Clean

EFFECTIVE DATE: March 27, 2008

WHMIS CLASS: E

T.D.G. CLASSIFICATION: Sodium hydroxide, solution

UN: 1824 **CLASS:** 8 **PG:** II

MATERIAL USE: Grill cleaner

HAZARDOUS INGREDIENTS

INGREDIENTS	CAS #	Wt%	ACGTH-TLV	LC50	LD50
Sodium hydroxide (50%)	1310-73-2	7-13	2 mg/m ³	N/A	Oral (rat) 365 mg/kg (45% Solution)

PHYSICAL DATA

BOILING POINT(°C): Not Avail.

GRAVITY (H₂O=1): 1.241

SOLUBILITY IN WATER: 100%

PHYSICAL STATE: Liquid

FREEZING POINT(°C): Not Avail.

VAPOUR PRESSURE (mm Hg @ 20°C): 2 **SPECIFIC**

VAPOUR DENSITY (Air=1): N/AV

EVAPORATION RATE (H₂O=1): N/AV.

pH (as supplied): 14

APPEARANCE AND ODOUR: Pale clear liquid

FIRE AND EXPLOSION DATA

FLAMMABILITY: Non-Flammable

FLASH POINT (Test method): N/A

UEL: N/A

LEL: N/A

HAZARDOUS COMBUSTION PRODUCTS: See HAZARDOUS DECOMPOSITION PRODUCTS

MEANS OF EXTINCTION: Water fog

SPECIAL FIRE FIGHTING PROCEDURES: As for surrounding fire. Wear full protective clothing.

REACTIVITY DATA

CHEMICAL STABILITY: Stable under normal conditions.

INCOMPATIBILITY: Oxidizing material, Acid, Chlorinated hydrocarbons, Ammonia, Aluminum, Tin, Lead and Zinc.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen (from contact with aluminum and other metals mentioned above), potassium oxides on combustion.

FIRST AID

EYES: Flush with plenty of water for at least 20 minutes. Get medical attention.

SKIN: Remove contaminated clothing immediately and flush with water for at least 15 minutes. Get medical help. No oil or ointment should be applied.

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, skin contact, inhalation, ingestion

EFFECTS OF ACUTE EXPOSURE:

EYE: Severe irritation to the mucous membranes of the eyes. May cause ulceration of the eye. Glaucoma, cataracts, and permanent blindness may occur.

SKIN: Severe irritation and burns to the skin. Damage may be delayed.

INHALATION: Mist may cause irritation of respiratory tract, inflammation of the lungs.

INGESTION: Burning in mouth and esophagus; nausea, vomiting, abdominal pain and diarrhea. Perforation of gastrointestinal tract may occur. May be fatal.

EFFECTS OF CHRONIC EXPOSURE:

SKIN: Prolonged or repeated exposure may cause moderate irritation, defatting, dermatitis.

Repeated or prolonged exposure to high concentrations of tripropylene glycol ethyl ether may result in kidney damage, or may aggravate kidney, urethra, and/or bladder disease.

IRRITANCY: Low

SENSITIZATION: N/AV

CARCINOGENICITY: None known.

TERATOGENICITY: None known.

MUTAGENICITY: None known.

SYNERGISTIC MATERIALS: N/AV

PREVENTATIVE MEASURES

GLOVES: Rubber, vinyl or neoprene gloves and coveralls should be worn to prevent contact with skin and clothing.

EYE PROTECTION: Chemical workers goggles.

RESPIRATORY PROTECTION: Not normally necessary.

VENTILATION REQUIREMENTS (Local or General): Use with adequate ventilation.

OTHER PROTECTIVE EQUIPMENT: Not specified.

ENGINEERING CONTROLS: Not specified.

LEAK AND SPILL PROCEDURE: With large spills dyke for later disposal. Neutralize with diluted acid - like hydrochloric or sulphuric acid. Minor spills can be neutralized and flushed with plenty of water.

WASTE DISPOSAL: Waste product should not be discharged into sewers or streams. It should be first neutralized with dilute acid and then discharged according to federal, local and provincial regulations.

STORAGE REQUIREMENTS & HANDLING PROCEDURES: Store in a cool area above freezing point of product. When diluting always add product slowly to water to prevent boiling and splattering.

N/A= NOT APPLICABLE · N/E=NOT ESTABLISHED · N/D=NOT DETERMINED · <=LESS THAN · >=MORE THAN

HMIS HAZARD RATING INFORMATION

FIRE	REACTIVITY	HEALTH	PERSONAL PROTECTION
N/AV	N/AV	N/AV	N/AV

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 WHIMIS. 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.

CHEM INTERNATIONAL

18043 – 107 Avenue
Edmonton, Alberta
T5S 1K3
1 (800) 665-7287