

MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT IDENTIFICATION

Product Name: **DR. GRILL**

Product Use: Oven & grill cleaner

WHMIS Class: D2B, E

TDG Classification: Class 8

PIN Number: UN 3266, group II

T.D.G. Shipping Name: CORROSIVE LIQUID BASIC, INORGANIC, N.O.S. (sodium hydroxide).

Manufactured by:

Chemotec (PM) Inc.

8820 Place Ray Lawson

Anjou, Quebec, Canada H1J 1Z2

Telephone: (514) 729-6321; 1-800-729-6321

Emergency Phone: as above or call **CANUTEC** (613) 996-6666 in case of **chemical emergency only.**

SECTION 2: HAZARDOUS INGREDIENTS

<u>Ingredients</u>	<u>CAS #</u>	<u>Wt %</u>	<u>TLV</u>	<u>LC₅₀</u>	<u>LD₅₀</u>
Sodium hydroxide	1310-73-2	10 - 30	2 mg/m ³	n/a	1350 mg/kg (rabbit)

SECTION 3: PHYSICAL DATA

Boiling Point (°C): Approx. 110

Vapor Pressure (mm Hg): 20 at 20°C

Vapor Density (Air = 1): 0.6 (water)

Solubility in Water: Complete

Physical State: Liquid

Appearance and Odor: Colorless and odourless transparent liquid.

Specific Gravity (H₂O = 1): 1.13 at 20°C

% Volatile (Wt %): 80 - 85

Evaporation Rate (nBuAc= 1): 0.4 (water)

pH (as supplied): 13.0 - 14.0

Viscosity: < 1000 cps at 25 °C

Odor Threshold (ppm): n/a

SECTION 4: FIRE AND EXPLOSION DATA

Flammability: Not flammable, not combustible.

Flash Point (TCC, °C): > 93.3 LEL: Not applicable UEL: Not applicable

Hazardous Combustion Products: None.

Autoignition Temperature (°C): Not applicable.

Means of Extinction: Use appropriate media to extinguish surrounding fire and/or materials.

Special Fire Hazards: Contact with metals such as aluminum, tin and zinc generate hydrogen which is flammable and/or explosive when ignited.

SECTION 5: REACTIVITY DATA

Conditions for Chemical Instability: This product is stable under normal conditions. It does not polymerize.

Incompatible Materials: Strong oxidizing agents, strong acids.

Reactivity and Under What Conditions: May evolve heat, violent reaction with acids. Flammable hydrogen gas may be produced on contact with aluminum, tin, lead, and zinc. Carbon monoxide gas may be produced on contact with reducing sugars.

Hazardous Decomposition Products: See under Reactivity, and Under What Conditions

SECTION 6: TOXICOLOGICAL PROPERTIES

Route of Entry: Eyes, skin, ingestion, inhalation.

EFFECTS OF ACUTE EXPOSURE:

Eye: Irritant. Extremely corrosive product. Corneal scarring and clouding. Glaucoma, cataracts and permanent blindness may occur.

Skin: Irritant. Severe irritation and burns on skin. Necrosis of cutaneous tissue.

Ingestion: Violent pain in throat, mouth, gut, oesophagus and/or stomach perforation, collapse, death.

Inhalation: Breathing high concentration may cause headache, nausea, vomiting, dizziness, may cause irritation of superior respiratory tract.

EFFECTS OF CHRONIC EXPOSURE:

Irritancy: Prolonged or repeated contacts with skin may cause some irritation: skin dryness, redness, dermatitis.

Skin Sensitization: Not sensitizing.

Carcinogenicity: No ingredients are known to be carcinogenic.

Teratogenicity: No ingredients are known to be teratogenic.

Mutagenicity: No ingredients are known to be mutagenic..

Synergistic Materials: Unknown.

SECTION 7: PREVENTIVE MEASURES

Gloves: Plastic or rubber gloves to manipulate large quantities of product.

Eye Protection: Safety glasses with side shields to manipulate large quantities.

Respiratory Protection: Not required, if adequate ventilation is available. Respirator NIOSH/MSHA approved if large spill and lack of ventilation.

Other Protective Equipment: Waterproof boots and apron if large spill.

Engineering Controls: Shower and eye wash station if large quantities are manipulated. Provide adequate ventilation.

Leak and Spill Procedure: Wear personal protective equipment. Stop the leak. Pump the product into drums or clean up spills using absorbent material and place in container. Resume cleaning by rinsing with water.

Waste Disposal: Dispose according to existing federal, provincial and municipal regulations.

Storage Requirements: Keep in original closed containers, in a well ventilated room. Keep from freezing.

SECTION 8: FIRST AID

Eye: Immediately rinse with plenty of water for 30 minutes at least, keeping eyelids open. Seek immediate medical attention.

Skin: Rinse with water. Remove soiled clothes and wash before wearing. Seek medical attention should an irritation develop.

Inhalation: Bring to fresh air. If breathing has stopped, give artificial respiration. Seek medical attention if discomfort persists.

Ingestion: Give plenty of water or milk. Do not induce vomiting. Seek immediate medical attention.

SECTION 9: PREPARATION INFORMATION

Date: 2011-09-19

Phone: (514) 729-6321

Prepared by:

Chemotec (PM) Inc.

Abbreviation:

n/a: not available

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 control of the supplier, it is assumed that users of this material have 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 damages which may result from the use of or reliance on any information contained in this form. If user requires independent information on ingredients in this or any other material, we recommend contact with the Canadian Center for Occupational Health and Safety (CCOHS) in Hamilton, Ontario (1-800-263-8276) or CSST in Montreal (514-873-3990).