



Specialty Product

## DESCRIPTION

*Oven & Grill Cleaner* is thick enough to cling to the sides of ovens to thoroughly degrease vertical surfaces. A highly alkaline oven and grill cleaner, safe on iron, steel, stainless steel, porcelain and glass, *Oven & Grill Cleaner* eliminates the need to use grill stones. *Oven & Grill Cleaner* may be used to clean canopies, hoods, deep fat fryers and other carbonized surfaces.

## SPECIAL INFORMATION

*Oven & Grill Cleaner* is a Canadian Food Inspection Agency (CFIA) approved product for use in registered food processing plants. Surfaces in direct food contact must be rinsed with potable water.

Do not use *Oven & Grill Cleaner* on aluminum, copper, brass or zinc surfaces.

## DIRECTIONS

Before cleaning, pre-heat the cooking surface to warm, then shut off before applying the product.

### ***For cleaning griddles:***

Apply product liberally, using a cloth or brush. Let the solution work for 5 to 10 minutes. For lighter cleaning applications, mix a solution of 1000 ml of *Oven & Grill Cleaner* per liter of water (128 oz/gal) (1:1). Wipe clean using a clean damp cloth. Rinse well with potable water and wipe dry. Apply a thin coat of shortening to prevent surface from rusting.

### ***For cleaning commercial ovens:***

Do not dilute. Using a brush apply cleaner directly to walls, racks, burners and glass. Let the cleaner work for 5 to 15 minutes. Stubborn areas may need light agitation using a soft nylon scrubbing pad. Rinse well with potable water.

### ***For cleaning deep fryers:***

Scrape off or hose down to remove excess grease. Fill up to 10 cm (4 in) from top using cold water. Add 24 ml of *Oven & Grill Cleaner* per liter (3 oz/gal) (1:40) of water. Boil the solution for 30 minutes. Scrub the greasy residue while it is still warm. Rinse well with potable water before use. Drain and flush off using hot water.

## PHYSICAL DATA

Appearance	Clear liquid
Color	Water white
Foam	None
Odor	None
pH	13.0 - 14.0

# MATERIAL SAFETY DATA SHEET

## SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **OVEN & GRILL**

WHMIS CODE: E

### HMIS

Product Use: *Oven and grill cleaner.*

Proper Shipping Name: SODIUM HYDROXIDE, SOLUTION

Hazard Class: Class 8, P.G. II

UN Number: UN 1824

3	Health
0	Flammability
0	Reactivity
C	Personal

A=Goggles, B=Goggles & Gloves  
C=Goggles, Gloves and Apron

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### EMERGENCY PHONE

Canada: Canutec 613-996-6666  
U.S.A.: Chemtrec 800-424-9300

ABBREVIATION KEY: N/A=Not Applicable, N/E=Not Established, N/D=Not Determined, > =Greater Than

## SECTION 2 – HAZARDOUS INGREDIENTS INFORMATION

INGREDIENT	CAS NO.	RANGE %	PEL	TLV
<b>SODIUM HYDROXIDE</b>	1310-73-2	10.0-20.0	2 mg/m3	2 mg/m3
LD50 (oral rat)	340 mg/kg			
LD50 (dermal)	1350 mg/kg			
LC50	No Data			

## SECTION 3 – PHYSICAL DATA

**Color and Odor:** Clear to slight yellow, no odor. **Boiling Point:** N/D **Vapor Pressure (mm HG):** N/D **pH:** 13.0 – 14.0  
**Physical State:** Liquid. **Melting Point:** N/A **Vapor Density:** N/D **Specific Gravity:** 1.178 @ 20°C  
**Coef. Water/Oil Dist:** Greater than 1.0 **Evaporation Rate:** N/D **Solubility in Water:** Soluble **Odor Threshold:** No Data

## SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

**Flash Point and Method:** None to 100°C (TCC) **Sensitivity to Mechanical Impact:** None. **Extinguishing Media:** Not flammable.  
**Flammable Limits:** None known. **Sensitivity to Static Discharge:** None. **Auto ignition Temperature:** None known.  
**Conditions of Flammability:** None.  
**Unusual Fire and Explosion Hazards:** Flammable hydrogen gas may liberate upon prolonged contact with sensitive metals (i.e. aluminum, zinc, etc.).  
**Hazardous Combustion Products:** Decomposition may produce oxides of carbon, phosphorus, and other unidentifiable organic compounds.  
**Special Fire Fighting:** Wear full protective equipment, including a NIOSH/MSHA approved, self-contained breathing apparatus for fire fighting situations. Use water spray to cool all nearby fire exposed surfaces.

## SECTION 5 – REACTIVITY DATA

**Chemical Stability:** Stable under normal storage conditions.  
**Hazardous Polymerization:** Will not Occur.  
**Incompatibility (material to avoid):** Strong oxidizers and acids.  
**Hazardous Decomposition Products:** Decomposition may produce oxides of carbon, phosphorus, and other unidentifiable organic compounds.

## SECTION 6 – TOXICOLOGICAL DATA

**Exposure Limits:** See Section 2 under Hazardous Ingredient. **Routes of Entry:** Skin, eyes, skin absorption, and inhalation.  
**Irritancy of Product:** Corrosive to skin, eyes and respiratory system. **Carcinogenicity:** None known.  
**Sensitization:** None known. **Mutagenicity:** None known.  
**Name of Toxicological Synergistic Product:** None known. **Reproductive Toxicity:** None known.  
**Teratogenicity:** None known.  
**Effects of Chronic Exposure:** Prolonged or repeated exposure can cause skin damage or dermatitis. Respiratory disorder or lung damage.  
**Effects of Acute Exposure to Product:** Exposure can cause severe burns or damage to skin and eyes. Inhalation of vapors or mists causes respiratory discomfort such as breathing difficulties, burning, coughing, etc. Ingestion may cause burns to mouth, throat, stomach, and severe abdominal discomfort.

## SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

**Respiratory Protection:** If product is misted or sprayed, or used in a confined area, use a NIOSH/MSHA approved dust/mist respirator.  
**Ventilation:** Good general ventilation or local exhaust ventilation for spraying and misting in confined areas.  
**Protective Gloves:** Natural or butyl rubber, nitrile or neoprene gloves.  
**Eye Protection:** Chemical goggles, safety goggles or glasses.  
**Protective Clothing and Equipment:** Long sleeve coveralls. Eye wash recommended in the immediate work area.  
**Storage and Handling Procedures:** Use good industrial hygiene. Do not get in eyes. Avoid contact with skin and clothing. Avoid breathing sprays or mists. Store in a cool, dry place away from incompatibles. Keep container closed when not in use. Do not mix with any other chemicals. Store at temperatures below 30oC (86°F) and keep from freezing.  
**Disposal Procedures for Spills or Leaks:** Wear protective equipment. Dike and contain large spills. Pump spills into an approved waste container. For small spills, soak up with a suitable absorbent such as clay, soil or commercially available absorbents, and then dispose of into an approved waste container. Keep away from sewers and out of natural waters.  
**Waste Disposal Method:** Reuse if possible, or otherwise dispose recovered material in accordance with all local, Provincial or Federal Regulations.  
**Special Shipping Information:** Sodium Hydroxide Solution, Class 8, PG II, UN 1824.

## SECTION 8 – EMERGENCY FIRST AID PROCEDURES

**First Aid:**  
If swallowed, give plenty of clean water to drink to dilute product. Do not induce vomiting. Call a Physician. In case of contact with eyes, flush with clean water for 15 minutes. Get medical attention. For contact with skin, wash with clean water and rinse well. If irritation occurs or persists, get medical attention.

## PREPARATION DATA

PREPARED BY: Technical Service / Regulatory Division

PHONE: 604-526-5655

LAST UPDATE: 11/27/09

THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN OBTAINED FROM CURRENT SOURCES AND IS BELIEVED TO BE RELIABLE