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Oven & Grill
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 to10 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 to15 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**

Product Use: *Oven and grill cleaner.*

WHMIS CODE: E
Proper Shipping Name: SODIUM HYDROXIDE, SOLUTION
Hazard Class: Class 8, P.G. II
UN Number: UN 1824

HMIS

3	Health
0	Flammability
0	Reactivity
C	Personal

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

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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
SODIUM HYDROXIDE	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.
Physical State: Liquid.
Coeff. Water/Oil Dist: Greater than 1.0
Boiling Point: N/D
Melting Point: N/A
Evaporation Rate: N/D
Vapor Pressure (mm HG): N/D
Vapor Density: N/D
Solubility in Water: Soluble
pH: 13.0 – 14.0
Specific Gravity: 1.178 @ 20°C
Odor Threshold: No Data

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: None to 100°C (TCC)
Flammable Limits: None known.
Conditions of Flammability: None.
Sensitivity to Mechanical Impact: None.
Sensitivity to Static Discharge: None.
Extinguishing Media: Not flammable.
Auto ignition Temperature: None known.
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.
Irritancy of Product: Corrosive to skin, eyes and respiratory system.
Sensitization: None known.
Name of Toxicological Synergistic Product: None known.
Teratogenicity: None known.
Routes of Entry: Skin, eyes, skin absorption, and inhalation.
Carcinogenicity: None known.
Mutagencity: None known.
Reproductive Toxicity: 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: Dec. 24, 2014