

# SAFETY DATA SHEET

## Oven & Grill

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION:

**MANUFACTURER:** Griffin Bros., Inc.  
P.O. Box 7719  
Salem, OR 97303

**INFORMATION:** (800) 456-4743

**EMERGENCY PHONE:** CHEMTREC: (800) 424-9300

**PRODUCT NAME:** Oven & Grill

**PRODUCT NUMBER:** G-225

**DATE PREPARED:** 06/15/2015

**LAST REVISION:** 06/15/2015

Uses: Oven & Grill Cleaner in Restaurants and kitchens.

PURE:  LIQUID:   
MIXTURE:  SOLID:

### 2. HAZARDOUS IDENTIFICATION:

#### EMERGENCY OVERVIEW: Corrosive

**GHS CLASSIFICATION:** Corrosive to Metals (Category 1), Skin Irritation: (Category 1A), Eye Irritation: (Category 1), Acute Toxicity Oral: (Category 4) Acute Toxicity Dermal (Category 4), Acute toxicity, Inhalation – (Category 4), STOT – Single Exposure Respiratory (Category 3), Acute Aquatic Toxicity (Category 3)

#### GHS Label elements, including precautionary statements

**SIGNAL WORD:** **Danger**

**PICTOGRAM(s):**



#### HAZARD STATEMENT(S):

H290: May be Corrosive to metals  
H312: Harmful in contact with skin.  
H332: Harmful if inhaled  
H402: Harmful to aquatic life

H302: Harmful if swallowed  
H314: Causes severe skin burns and eye damage  
H335: May cause respiratory irritation.

#### PRECAUTIONARY STATEMENT(S):

P102: Keep out of reach of children.  
P261: Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.  
P264: Wash skin thoroughly after handling.  
P273: Avoid release to the environment.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  
P303+P361+P353: IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.  
P304+P340: IF INHALED: Remove victim to fresh air and Keep at rest in a position comfortable for breathing.  
P305 +P351 +P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P315: Get immediate medical advice/attention.  
P363 Wash contaminated clothing before reuse.  
P390 Absorb spillage to prevent material damage.  
P405 Store locked up.

#### POTENTIAL HEALTH EFFECTS

**EYE CONTACT:** Vapors, liquid and mists are extremely corrosive to the eyes.  
**INHALATION:** Irritation, coughing, chest pain, and difficulty in breathing may occur.  
**INGESTION:** Vapors, liquid and mists are extremely corrosive to the mouth and throat. Swallowing the liquid burns the tissues, causes severe abdominal pain, nausea, vomiting and collapse.  
**SKIN CONTACT:** Vapors severely irritate the skin, and liquid and mists will severely burn the skin.  
**SIGNS AND SYMPTOMS OF EXPOSURE:** Irritation, pain, coughing, redness of skin.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS:

Chemical Name	CAS #	Wt. Range %
POTASSIUM HYDROXIDE	1310-58-3	5 – 10%
SODIUM HYDROXIDE	1310732	5 – 10%
2-BUTOXYETHANOL	111762	1 – 5%
MONOETHANOLAMINE	141-43-5	1 – 5%
WATER	7732-18-5	55 – 70%

### 4. FIRST AID MEASURES:

**GENERAL ADVICE:** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.  
**EYE CONTACT:** Immediately flush eyes with water for at least 15 minutes. Hold eyelids open while flushing the eyes. Get medical attention.  
**INHALATION:** Remove to fresh air and Keep at rest in a position comfortable for breathing.. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.  
**INGESTION:** If swallowed, do NOT induce vomiting. Give victim lots of water or milk. Get medical attention immediately. Never give anything by mouth to an unconscious or convulsing person.  
**SKIN CONTACT:** Wash with soap and water. Change contaminated clothing. Get medical attention if irritation develops or persists.  
**AGGRAVATED MEDICAL CONDITIONS:** Pre-existing eye, skin or respiratory conditions.

### 5. FIRE FIGHTING MEASURES:

**EXTINGUISHING MEDIA:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
**SPECIAL FIRE FIGHTING PROCEDURES:** Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece in positive pressure mode. Move containers from fire area if it can be done without risk. Use water to keep fire-exposed containers cool.  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None known. **COMBUSTION PRODUCTS:** Potassium oxide, Oxides of Carbon,

**6. ACCIDENTAL RELEASE MEASURES:**

**STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED:** Do not walk through any spills without wearing proper safety attire. High risk of slipping due to leakage/spillage of product. Small spills: Mop up, wipe up or soak up immediately. Large spills: Evacuate area. Contain liquid; transfer to closed poly containers. Or soak up with inert material and shovel into poly drums for disposal. Do not let product enter drains. Discharge into the environment must be avoided.

**7. HANDLING AND STORAGE:**

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:** Do not handle until all safety precautions have been read and understood. Protect from freezing. Use good personal hygiene when handling this product. Wash hands after use, before smoking, or using the toilet. Wear personal protection as required per safety program. Follow all SDS/label precautions even after container is emptied.

**OTHER PRECAUTIONS:** For industrial and institutional use only. Keep away from children. Keep containers closed while not in use.

**8. EXPOSURE CONTROL/PERSONAL PROTECTION:**

Contains no additional substances with occupational exposure limit values other than those listed.

**EXPOSURE CONTROLS:**

Chemical Name	OSHA PEL		ACGIH TLV	
	TWA	STEL	TWA	STEL
POTASSIUM HYDROXIDE	2 mg/M <sup>3</sup>	No data available	2 mg/M <sup>3</sup>	No data available
SODIUM HYDROXIDE	2 mg/M <sup>3</sup>	No data available	2 mg/M <sup>3</sup>	No data available
2-BUTOXYETHANOL	50ppm(240mg/M3)(SKIN)	No data available	25ppm(121 mg/M3)(SKIN)	No data available
MONOETHANOLAMINE	3ppm (6mg/m3)(AIR)	No data available	3ppm (EYES, SKIN))	6ppm (EYES. SKIN))

**PERSONAL PROTECTIVE EQUIPMENT**

**RESPIRATORY PROTECTION:** Wear a NIOSH/MSHA approved respirator appropriate for vapor concentration at point of use.

**VENTILATION:** Local exhaust sufficient to keep exposure below TLV.

**WORK/HYGENIC PRACTICES:** When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking.

**EYE PROTECTION:** Use chemical safety goggles and/or full face shield when splashing is possible. Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work areas.

**PROTECTIVE GLOVES:** Rubber or other impervious material with gauntlets. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.

**OTHER PROTECTIVE EQUIP:** Boots, apron, lab coat or coveralls of impervious material, as appropriate to avoid skin contact.

**9. PHYSICAL AND CHEMICAL PROPERTIES:****INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES:**

a) <b>Appearance:</b> Golden Tan Liquid	k) <b>Vapor pressure (mm/hg):</b> No data available
b) <b>Odor:</b> Caustic Odor	l) <b>Vapor density (Air = 1):</b> No data available
d) <b>pH:</b> 12.75	m) <b>Relative density (Specific Gravity):</b> 1.10
e) <b>Melting point/freezing point:</b> No data available	n) <b>Water solubility:</b> 100% Complete
f) <b>Initial boiling point and boiling range:</b> 208 °F	p) <b>Auto-ignition temperature:</b> n/a
g) <b>Flash point:</b> None <b>Method Used:</b> n/a	r) <b>Viscosity:</b> No data available
h) <b>Evaporation rate:</b> > 1	-) <b>Pounds Per Gallon:</b> 9.17
j) <b>Upper/lower flammability or explosive limits:</b> UEL: n/a LEL: n/a	<b>OTHER:</b> No other data is available for this product. . . .

**10. STABILITY AND REACTIVITY:**

**STABLE:** Stable under recommended storage conditions.

**INCOMPATIBILITY:** Acids, Organic materials, Halogenated compounds, and metals such as zinc, aluminum and tin

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Oxides of carbon

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**CONDITIONS TO AVOID:** Contact with incompatible materials.. Avoid extreme temperatures.

**11. TOXICOLOGICAL INFORMATION:** No data available.**12. ECOLOGICAL INFORMATION:** Keep out of waterways. No other data available**13. DISPOSAL CONSIDERATIONS:** Dilute with large amounts of water and dispose to municipal or industrial waste treatment facility in Accordance with applicable Local, State and Federal regulations.**14. TRANSPORT INFORMATION:**

Regulation	UN No.	Proper Shipping Name	Transport Hazard Class	Packing Group
US DOT	3266	Corrosive Liquids, Basic, Inorganic, n.o.s. (Potassium hydroxide, Sodium hydroxide)	8	II

**15. REGULATORY INFORMATION:** No data available**16. OTHER INFORMATION:**

**HMS INFORMATION: HEALTH: 3 FLAMMABILITY: 0 PHYSICAL HAZARD: 1 PERSONAL PROTECTION : D**

**NFPA INFORMATION: TOXICITY: 3 FIRE: 0 REACTIVITY: 1**

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