

# SAFETY DATA SHEET

Date Prepared : 1/22/2015

SDS No : GRI

## Grill Glo

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Grill Glo

**GENERAL USE:** Remove carbon, grease, and oils from ovens, grills, fryers and vents.

**PRODUCT DESCRIPTION:** Oven & Grill Cleaner

**PRODUCT CODE:** GRI

**CHEMICAL FAMILY:** Alkali/detergent blend

#### MANUFACTURER

MISCO Products Corporation  
1048 Stinson Drive  
Reading, PA 19605

**Emergency Phone:** 610-926-4106

**Customer Service:** 800-548-4568

**Transportation:** 800-548-4568

#### 24 HR. EMERGENCY TELEPHONE NUMBERS

**CHEM-TEL (Medical and Transportation):** 800-255-3924

**POISON CONTROL CENTER (Medical):** 800-222-1222

### 2. HAZARDS IDENTIFICATION

#### GHS CLASSIFICATIONS

##### Health:

Skin Corrosion, Category 1B

Eye Corrosion, Category 1

Acute Toxicity (Oral), Category 4

##### Physical:

Corrosive to Metals, Category 1

#### GHS LABEL



Corrosion



Exclamation  
mark

**SIGNAL WORD:** DANGER

#### HAZARD STATEMENTS

H318: Causes serious eye damage.

H314: Causes severe skin burns and eye damage.

H302: Harmful if swallowed.

H290: May be corrosive to metals.

#### PRECAUTIONARY STATEMENT(S)

##### Prevention:

P260: Do not breathe mist/vapours/spray.

P264: Wash thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P270: Do not eat, drink or smoke when using this product.

P234: Keep only in original container.

##### Response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310: Immediately call a POISON CENTER or doctor/physician.

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.

P363: Wash contaminated clothing before reuse.

P304+P340: IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

P311: Call a POISON CENTER or doctor/physician.

P390: Absorb spillage to prevent material damage.

**Storage:**

P405: Store locked up.

P406: Store in corrosive resistant plastic container or a steel container with a resistant inner liner.

**Disposal:**

P501: Dispose of contents/container in accordance with local, state and federal regulations.

**EMERGENCY OVERVIEW**

**PHYSICAL APPEARANCE:** Pink Liquid

**IMMEDIATE CONCERNS:** Causes irreversible eye damage and skin burns.

**POTENTIAL HEALTH EFFECTS**

**EYES:** Corrosive, contact causes severe eye burns.

**SKIN:** Contact causes severe skin irritation and possible burns.

**SKIN ABSORPTION:** None Expected.

**INGESTION:** Harmful if swallowed.

**INHALATION:** Mist is irritating to nose, throat and lungs.

**REPRODUCTIVE TOXICITY**

**TERATOGENIC EFFECTS:** None known.

**CARCINOGENICITY:** Not Established

**MUTAGENICITY:** None known.

**ROUTES OF ENTRY:** Eye, skin, ingestion.

**CANCER STATEMENT:** None

**WARNING CAUTION LABELS:** Corrosive

**PHYSICAL HAZARDS:** May be corrosive to certain metals.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Name	Wt.%	CAS
Sodium Silicate	0 - 5	6834-92-0
Sodium Hydroxide	0 - 5	1310-73-2
Potassium Hydroxide	5 - 10	1310-58-3
Polyethylene glycol (octylphenyl) ether Phosphate	0 - 5	52623-95-7
Ethylene glycol butyl ether	0 - 5	111-76-2
Dye	< 0.1	N/A
Water	80 - 90	7732-18-5

**4. FIRST AID MEASURES**

**EYES:** Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention immediately.

**SKIN:** Remove contaminated clothing. Immediately flush with water followed by washing with mild soap. Seek medical attention.

**INGESTION:** Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

**INHALATION:** Remove victim to fresh air and monitor. Seek medical advise if irritation persists.

#### **SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**EYES:** Severe burning sensation, damage marked by burns.

**SKIN:** Burning sensation, redness, swelling and possible blistering.

**INGESTION:** Irritation of mouth, throat, along with stomach upset, vomiting.

**INHALATION:** Irritation of nose, throat and lungs with coughing, sneezing, possible difficulty breathing.

**ACUTE TOXICITY:** Corrosive to eyes and skin. Harmful if inhaled. Harmful if swallowed

**NOTES TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

### **5. FIRE FIGHTING MEASURES**

**FLAMMABLE CLASS:** None

**EXTINGUISHING MEDIA:** Use an extinguishing agent suitable for the surrounding fire.

**EXPLOSION HAZARDS:** Fire exposed containers may burst due to increased pressure from heat.

**FIRE FIGHTING PROCEDURES:** Keep fire exposed containers cool with water stream or mist.

**FIRE FIGHTING EQUIPMENT:** Not Established

**HAZARDOUS DECOMPOSITION PRODUCTS:** Not Established

### **6. ACCIDENTAL RELEASE MEASURES**

**SMALL SPILL:** Avoid runoff into storm sewers and ditches which lead to waterways.

**LARGE SPILL:** Avoid walking in material. Prevent product from entering into stream, soil, storm sewer or other bodies of water.

#### **ENVIRONMENTAL PRECAUTIONS**

**WATER SPILL:** Avoid discharges into open waterways.

**LAND SPILL:** Avoid discharge to soil.

**AIR SPILL:** NA = Not Applicable

**GENERAL PROCEDURES:** Isolate spill or leak area immediately. Keep unauthorized personnel away. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, or confined areas. Absorb with dry earth, sand or other non-combustible material and transfer to containers.

**SPECIAL PROTECTIVE EQUIPMENT:** Eye protection, rubber gloves, rubber boots to protect feet.

### **7. HANDLING AND STORAGE**

**GENERAL PROCEDURES:** Close container after use.

**HANDLING:** Avoid contact with skin and eyes. Wash hands before eating, drinking, smoking or using toilet facilities.

**STORAGE:** Store in closed container in an area inaccessible to children.

**STORAGE TEMPERATURE:** Store at ambient temperatures.

**STORAGE PRESSURE:** Store at ambient atmospheric pressure.

### **8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

## EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)							
		EXPOSURE LIMITS					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical Name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Sodium Hydroxide	TWA		2 mg/m <sup>3</sup>		2 mg/m <sup>3</sup>		
Potassium Hydroxide	TWA		2 mg/m <sup>3</sup>				
	STEL				2 mg/m <sup>3</sup>		
Ethylene glycol butyl ether	TWA	50	240	20	97	NL	NL
	STEL					NL	NL

**ENGINEERING CONTROLS:** Provide mechanical ventilation when used in confined areas, or areas with poor ventilation.

### PERSONAL PROTECTIVE EQUIPMENT

**EYES AND FACE:** Chemical splash goggles and full face-shield.

**SKIN:** Rubber or other chemical resistant gloves.

**RESPIRATORY:** Where danger of mist contact may occur, wear NIOSH approved respiratory protection for mists.

**PROTECTIVE CLOTHING:** Chemical resistant outerwear (tyvek) if contact with spray or mist is anticipated.

**WORK HYGIENIC PRACTICES:** Wash with soap and water after handling. Do not eat, drink or smoke while using product.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Characteristic.

**ODOR THRESHOLD:** Not Established

**COLOR:** Pink

**pH:** 13.0 to 14.0

**PERCENT VOLATILE:** >80

**FLASH POINT AND METHOD:** None

**FLAMMABLE LIMITS:** N/A

**AUTOIGNITION TEMPERATURE:** NA = Not Applicable

**VAPOR PRESSURE:** ~ 20 mm Hg at (68°F)

**VAPOR DENSITY:** ~ 1 Air = 1

**BOILING POINT:** 212° F; 100° C

**FREEZING POINT:** 32° F; 0° C

**THERMAL DECOMPOSITION:** Not Available

**SOLUBILITY IN WATER:** Complete

**EVAPORATION RATE:** (Water =1) 1.0

**DENSITY:** 9.07

**SPECIFIC GRAVITY:** ~ 1.087 grams/ml.

**VISCOSITY:** Water thin.

**(VOC):** 1.290 % by weight

## 10. STABILITY AND REACTIVITY

**REACTIVITY:** Stable

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Reacts violently with strong acids.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**INCOMPATIBLE MATERIALS:** Strong acids, oxidizers.

## 11. TOXICOLOGICAL INFORMATION

### ACUTE

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)	INHALATION LC <sub>50</sub> (rat)
Sodium Silicate	1500 to 3200 mg/kg (rat)		
Sodium Hydroxide	300 to 500 mg/kg (rat)	> 2000 mg/kg (rabbit)	
Potassium Hydroxide	273 mg/kg (rat)	N/A	
Ethylene glycol butyl ether	1300 mg/kg (rat)	> 2000 mg/kg (rabbit)	> 3.1 mg/l

**EYES:** Not Established

**DERMAL LD<sub>50</sub>:** Not Established

**ORAL LD<sub>50</sub>:** Not Established

**INHALATION LC<sub>50</sub>:** Not Established

**EYE EFFECTS:** Corrosive to eyes. Permanent damage may occur.

**SKIN EFFECTS:** Corrosive to skin.

### CARCINOGENICITY

Chemical Name	NTP Status	IARC Status	OSHA Status
Ethylene glycol butyl ether	No listed substance	Group 3 - Not classifiable as to its carcinogenicity to Humans	No listed substance

### IARC:

The International Agency for Research on Cancer (IARC) has concluded that there is inadequate evidence for carcinogenicity of 2-butoxyethanol in humans, but limited evidence in experimental animals (Group 3 - not classifiable as to its carcinogenicity to humans).

**IRRITATION:** Irritant

**CORROSIVITY:** Corrosive

**GENETIC EFFECTS:** No known significant effects or critical hazards.

**REPRODUCTIVE EFFECTS:** No known significant effects or critical hazards.

**TARGET ORGANS:** No known significant effects or critical hazards.

**MUTAGENICITY:** No known significant effects or critical hazards.

## 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Not Established

**ECOTOXICOLOGICAL INFORMATION:** This material may be toxic to aquatic life.

**AQUATIC TOXICITY (ACUTE):** Not Established

**CHEMICAL FATE INFORMATION:** Not Established

### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Any method in accordance with local, state and federal laws. Best method is to recycle or reuse for intended purpose. If discarded, this material and its containers should be treated as hazardous waste based on the characteristics of corrosivity as defined under federal RCRA regulations (40 CFR 261). Consult local authorities for disposal into public sewer.

**FOR LARGE SPILLS:** Consult with local and state authorities for large volume disposal.

**PRODUCT DISPOSAL:** Any method in accordance with local, state, and federal laws. Best method is to recycle or reuse for intended purpose.

**EMPTY CONTAINER:** Rinse container with clear water. Offer container for recycling, or dispose of in trash.

### 14. TRANSPORT INFORMATION

#### DOT (DEPARTMENT OF TRANSPORTATION)

**PROPER SHIPPING NAME:** Compound, Cleaning Liquid

**TECHNICAL NAME:** Potassium Hydroxide Solution

**PRIMARY HAZARD CLASS/DIVISION:** 8

**UN/NA NUMBER:** 1760

**PACKING GROUP:** III

**PLACARDS:** Corrosive

**LABEL:** Certain package sizes determine the proper labeling of containers. Consult manufacturer for specific information regarding proper labeling.

**OTHER SHIPPING INFORMATION:** Certain shipping modes and packaging sizes may have exceptions from the transport regulations. The classifications/information provided above may not reflect applicable exceptions. Contact the manufacturer for more specific information on the proper shipping of this material.

**U.S. CUSTOMS HARMONIZATION NUMBER:** 3402.90.10.00

#### AIR (ICAO/IATA)

**SHIPPING NAME:** Contact manufacturer for more information.

#### VESSEL (IMO/IMDG)

**SHIPPING NAME:** Contact manufacturer for more information.

### 15. REGULATORY INFORMATION

#### UNITED STATES

#### DOT LABEL SYMBOL AND HAZARD CLASSIFICATION



Corrosive



Limited  
Quantity  
Ground

#### SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**311/312 HAZARD CATEGORIES:** Health - Acute

**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No

**313 REPORTABLE INGREDIENTS:** 2-butoxyethanol 111-76-2 (Category: N230 Certain Glycol Ethers)

#### EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
Ethylene glycol butyl ether	0 - 5	111-76-2

**302/304 EMERGENCY PLANNING**

**EMERGENCY PLAN:** No listed substance

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

**CERCLA REGULATORY:** Not Established

Chemical Name	Wt.%	CERCLA RQ
Sodium Hydroxide	0 - 5	1,000 lbs.
Potassium Hydroxide	5 - 10	1,000

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

**TSCA REGULATORY:** All ingredients are listed on the TSCA Chemical Inventory.

**STATES WITH SPECIAL REQUIREMENTS**

Chemical Name	Requirements
Sodium Silicate	Pennsylvania Right to Know Substance New Jersey Right To Know Substance
Sodium Hydroxide	Massachusetts Right to Know Substance New Jersey Right To Know Substance Pennsylvania Right to Know Substance Rhode Island Right to Know Substance
Potassium Hydroxide	Massachusetts Right to Know Substance Pennsylvania Right to Know Substance New Jersey Right To Know Substance
Ethylene glycol butyl ether	Massachusetts Right to Know Substance Pennsylvania Right to Know Substance New Jersey Right To Know Substance

**CALIFORNIA PROPOSITION 65:** None

**CARCINOGEN:**

The International Agency for Research on Cancer (IARC) has concluded that there is inadequate evidence for carcinogenicity of 2-butoxyethanol in humans, but limited evidence in experimental animals (Group 3 - not classifiable as to its carcinogenicity to humans).

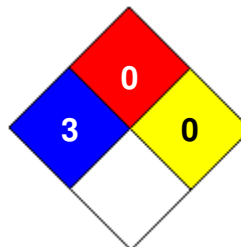
**16. OTHER INFORMATION**

**PREPARED BY:** Regulatory Affairs Department      **Date Prepared:** 1/22/2015

**HMIS RATING**

<b>HEALTH</b>		<b>3</b>
<b>FLAMMABILITY</b>		<b>0</b>
<b>PHYSICAL HAZARD</b>		<b>0</b>
<b>PERSONAL PROTECTION</b>	<b>D</b>	

**NFPA CODES**



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