



SAFETY DATA SHEET

1. PRODUCT AND MANUFACTURER IDENTIFICATION

Product Name: **OVEN AND GRILL CLEANER**

Manufacturer Name & Address:

Arcal Chemicals, Inc.
223 West Hampton Avenue
Capitol Heights, MD 20743

General Information:

(Tel) 301-336-9300
(Fax) 301-336-6597

Emergency CHEMTREC:

In case of chemical emergencies
800-424-9300 (within USA)
703-527-3887 (outside of USA)

2. HAZARDS IDENTIFICATION



Emergency Overview: SIGNAL WORD: DANGER

Product is a strong alkaline cleaner which aggressively attacks organic matter. It slippery to the touch.

Exposure Routes: Eyes, skin, ingestion, inhalation.

Eye contact: **H318:** Causes serious eye damage. If product comes into contact with the eyes, burns may occur.

Skin Contact: **H314:** Causes severe skin burns and eye damage. Contact with skin will cause defatting, burns and irritation with prolonged contact.

Ingestion: **H302:** Harmful if swallowed. Large amounts ingested can damage oral and gastric membranes.

Inhalation: **H335:** May cause respiratory irritation. Deeper penetration will cause harm to the respiratory system.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Components	CAS Number	Concentration	ACGIH TWA	OSHA TWA
Potassium hydroxide	1310-58-3	5%	2 mg/m ³	2 mg/m ³
Glycol ether	111-76-2	5%	50 ppm	50 ppm
Methanol	67-56-1	3%	200 ppm	NA

4. FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Remove contact lenses, if present. Seek medical attention immediately.

Skin Contact: Immediately remove contaminated clothing, shoes and leather goods. Flush skin with lukewarm, gently flowing water for 15-20 minutes. Launder clothing and shoes before reuse. Seek medical attention immediately.

Ingestion: Do not give anything by mouth if victim is unconscious or convulsing. Rinse mouth thoroughly with water. Do not induce vomiting. If vomiting occurs naturally, rinse mouth with water again. Seek medical attention

Inhalation: immediately.
Remove to fresh air. If not breathing, administer CPR. If breathing is difficult, give oxygen. Call a physician immediately.

5. FIRE-FIGHTING MEASURES

Flash point: None
Special firefighting procedures: Product is predominantly water and will not burn, but a small amount of methanol could produce flammable vapor if heated strongly. Water spray or foam are extinguishing agents.
Hazardous combustion products: Carbon monoxide and dioxide, potassium oxide.
Precautions for fire-fighting: Product is caustic and slippery. Use full personal protective equipment. Remove product containers to cooler areas if possible.

NFPA Flammable Liquids Classification

Health	Flammability	Reactivity
3	1	1

6. ACCIDENTAL RELEASE MEASURES

USE PERSONAL PROTECTION RECOMMENDED IN SECTION 8

Environmental precautions: For release to land, or storm water runoff, contain discharge by constructing dykes or applying inert absorbent; for release to water, utilize damming and/or water diversion to minimize the spread of contamination. Notify applicable government authority if release is reportable or could adversely affect the environment. Replace damaged containers immediately.

Clean-up methods: Wear appropriate personal protective equipment specified in Section 8. Isolate hazard area. Contain and recover liquid when possible. Collect liquid in appropriate container or absorb with inert material (e.g. vermiculite, dry sand, earth) and place in a chemical waste container.

7. HANDLING AND STORAGE

Handling: Appropriate protective gear is recommended when handling material. Ventilation Requirements: Use with proper ventilation.

Storage: Store in a cool dry place where moisture will not collect on containers and where heat from equipment or the sun will not expose the product to temperature extremes. Separate from other acids. Keep containers tightly closed and avoid splashes or spilled.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

SEE SECTION 3 FOR EXPOSURE LIMITS.

Exposure controls: Contact with skin, eyes and mucous membranes can contribute to the overall exposure. Consider measures to prevent absorption by these routes. Provide sufficient mechanical ventilation to maintain exposure below the guidelines.

Respiratory protection: Use in a well ventilate area. A NIOSH-approved respirator may be needed where airborne concentrations exceed exposure limits.

Eye protection: Use full face-shield and/or chemical safety goggles when there is potential for contact. Approved acid-resistant monogoggles are required.

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Skin protection: Splash-proof safety goggles and chemically resistant gloves (without tears, pinholes or other signs of wear) are highly recommended to protect personnel.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
Color:	Cream
Odor:	Mild alcoholic
Boiling point/range:	100° C / 212° F
Flash point:	None
Solubility in water:	Complete
Density:	1.09
Bulk Density:	9.1 lbs/gal
pH:	14
Viscosity:	200 cps
Solids in solution:	25%

10. STABILITY AND REACTIVITY

Hazardous decomposition products: Carbon monoxide and dioxide, potassium dioxide.
Incompatible materials: Strong acids, aluminum, tin, zinc, chlorinated hydrocarbons, acetone.
Conditions to avoid: Extreme heat and cold. Environments which are not well ventilated.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity: For potassium hydroxide – Oral rat LD50: 273 mg/kg
Acute inhalation toxicity: Respiratory tract irritant; severe injury is usually avoided by the self-limiting coughing and sneezing symptoms.
Acute dermal toxicity: Irritant. Corrosive if contact is prolonged.

12. ECOLOGICAL

Can be harmful to aquatic life. Avoid product from reaching groundwater. Eco toxicity: For potassium hydroxide: TLm: 80 ppm / mosquito fish / 24 hr / fresh water

13. DISPOSAL CONSIDERATIONS

Recommended method of disposal: Do not dispose with residential garbage or allow product to reach ground water or sewer. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

14. TRANSPORT INFORMATION

APPLIES TO ALL MODES OF TRANSPORT

Proper shipping name: POTASSIUM HYDROXIDE SOLUTION
Hazard class or division: 8
Identification number: UN 1814
Packing group: II

15. REGULATORY INFORMATION

TSCA All constituents of this product are included on the TSCA inventory.

16. OTHER INFORMATION

The information accumulated herein is believed to be accurate and are not a product specification. No warranty, either expressed or implied is made. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.