



# Material Safety Data Sheet

Manufacturer:  
American Energy Restaurant Equipment, Inc.  
7538 Fullerton Court, Springfield, VA 22153

Info Phone: (703) 644-6666  
Emergency Phone: (800) 255-3924  
Chemtel: (800) 255-3924

**Product Code:** 0018

**Trade Name:** Lion Grill Cleaner

## Section 1 - Product Identification

**Date Prepared:** 8/23/1996  
**Prepared By:** American Energy Restaurant Equipment, Inc.  
**Proper Shipping Name:** Lion Grill Cleaner

**Health Rating:** 3  
**Fire Rating:** 0  
**Reactivity Rating:** 1

## Section 2 - Hazardous Ingredients

Hazardous Components:	CAS#	OSHA / PEL:	ACGIH/TLV:
Sodium Metasilicate	6834-92-0	N.E.	N.E.
Potassium Hydroxide	1310-58-3	2 Mg/m3	N.E.
Tetrapotassium Pyrophosphate	7320-34-5	3 Mg/m3	N.E.

Unidentified ingredients are not considered hazardous under Federal Hazard Communication Standard (29CFR 1910, 1200)

## Section 3 - Physical / Chemical Characteristics

**Boiling Point:** 212° F  
**Vapor Pressure (mm Hg):** N/E  
**Vapor Density (air=1):** Heavy  
**Evaporation Standard:** Butyl Acetate=1  
**Solubility in Water:** Complete

**Appearance and Odor:** Orange, No Odor  
**Specific Gravity (h<sub>2</sub>o=1):** H<sub>2</sub>O=1  
**Melting Point:** N/A  
**Evaporation Rate:** Slower

## Section 4 - Fire and Explosion Hazard Data

**Flash point (method used):** 200° F (Setaflash C.C.)  
**Flammable Limit: lcl:** 1.2% **vel:** 2.0%  
**Extinguishing Media:** CO<sub>2</sub>, Dry Foam, Water Fog  
**Special Fire Fighting Procedures:** Spray containers with water to keep cool and prevent pressure buildup. Wear full OSHA/NOISH approved self-contained breathing apparatus.  
**Fire/Explosion Hazards:** Material will not support combustion.

## Section 5 - Health Hazard Data

**Permissible Exposure Level:** N/E  
**Effects of Overexposure:** Inhalation may irritate respiratory tract. Contact with skin or eyes may cause irritation. Ingestion may cause nausea, vomiting, diarrhea.  
**First Aid: Inhalation:** If affected by inhalation, remove to fresh air.  
**First Aid: Eye Contact:** Flush with water for at least 15 minutes and get prompt medical attention.  
**First Aid: Skin Contact:** Wash skin thoroughly with soap and water. If irritation develops, seek medical help.  
**First Aid: Ingestion:** Call physician immediately.

*Continued*



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## Section 6 - Reactivity Data

<b>Stability:</b>	Stable
<b>Hazardous Polymerization:</b>	Will not occur
<b>Incompatibility:</b>	Mix only with water, avoid acids.
<b>Conditions to Avoid:</b>	N/A
<b>Hazardous Decomposition Products:</b>	Phosphorous Oxides.

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## Section 7 - Spill or Leak Precautions

**Steps to be taken in case material is released or spilled:** Avoid breathing vapors. Wear goggles, coveralls, and impervious gloves and boots. Add dry absorbents and shovel or sweep up. Place in an appropriate container and seal. Wash all clothing before reuse. In the event of a large spill, use the emergency telephone number shown on page 1 of this MSDS.

**Waste disposal method:** Dispose of material in accordance with Federal, state and local regulations.

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## Section 8 - Special Protection Information

<b>Respiratory Protection:</b>	NOISH approved respirators recommended if vapors and mists are generated as in spray applications.
<b>Ventilation:</b>	Provide general dilution or local exhaust sufficient to keep TLV and PEL of hazardous ingredients in Section 2 below stated limits.
<b>Protective Gloves:</b>	Rubber coated
<b>Eye Protection:</b>	Splashproof goggles
<b>Other Protection:</b>	Eyewash facility, emergency shower, protective clothing.

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## Section 9 -Special Precautions

**Precautions to be taken in handling and storage:** \*\*\*\*\*Keep from freezing\*\*\*\*\*

**Other Precautions:** Do not leave containers open for a long period of time.

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## Section 10 - Disclaimer of Liability

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End of MSDS Data for Product Code: 0018