



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: 0028

Trade Name: Lion Orange Cleaner

Section 1 - Product Identification

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

Health Rating: 1
Fire Rating: 1
Reactivity Rating: 1

Section 2 - Hazardous Ingredients

Hazardous Components:	CAS#	OSHA / PEL:	ACGIH/TLV:
D-Limonene	5989-27-5	N.E.	N.E.
Isopropanol Alcohol	67-63-0	100 PPM	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, Citrus Odor
Specific Gravity (h₂o=1): H₂O=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: CO₂, 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

Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibility: Mix only with water, avoid heat.
Conditions to Avoid: N/A
Hazardous Decomposition Products: Burning will produce carbon monoxide, carbon dioxide.

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.

Section 8 - Special Protection Information

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

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.

Section 10 - Disclaimer of Liability

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End of MSDS Data for Product Code: 0028