

SAFETY DATA SHEET
Empire Kleer Conc Glass Cleaner

1. Product and Company Identification

Product Code: 594400GAL
Product Name: Empire Kleer Conc Glass Cleaner
Company Name: Empire Cleaning Supply
11020 Bloomfield Ave
Santa Fe Springs, CA 90670
Phone Number: (323)248-7750
Web site address: <http://empirecleaningsupply.com/>
Emergency Contact: Chem Trec (800)424-9300
Recommended Use: Glass & Surface Cleaner
Intended Use: For sale to, use and storage by service persons only.

2. Hazards Identification

Acute Toxicity: Oral, Category 4
Serious Eye Damage/Eye Irritation, Category 2A



GHS Signal Word: **Warning**
GHS Hazard Phrases: H302 - Harmful if swallowed.
H319 - Can cause serious eye irritation.
GHS Precaution Phrases: P264 - Wash hands thoroughly after handling.
P102 - Keep out of reach of children.
GHS Response Phrases: P301+312 - If swallowed: Call a Poison Center or doctor if you feel unwell.
P330 - Rinse mouth.
P305+351+338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313 - If eye irritation persists, get medical attention immediately.
GHS Storage and Disposal Phrases: P501 - Dispose of contents and container according to the local, city, state and federal regulations.
P411+235 - Store in cool dry place at room temperature away from direct sunlight.
Potential Health Effects (Acute and Chronic): Prolonged or repeated skin contact may cause defatting and dermatitis.
May cause liver and kidney damage.
Inhalation: Not expected to be a problem.
Skin Contact: Not expected to be a problem.
Eye Contact: Produces irritation, characterized by a burning sensation, redness, tearing, inflammation, and possible corneal injury. Avoid any eye contact.
Ingestion: Causes gastrointestinal irritation with nausea, vomiting and diarrhea.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration	
67-63-0	Isopropyl alcohol	Proprietary	
111-76-2	Ethanol, 2-Butoxy-	Proprietary	

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4. First Aid Measures

Emergency and First Aid Procedures:

- In Case of Inhalation:** Not expected to be a problem.
- In Case of Skin Contact:** Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. If irritation develops, get medical aid.
- In Case of Eye Contact:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If irritation develops, get medical aid.
- In Case of Ingestion:** Never give anything by mouth to an unconscious person. If vomiting occurs naturally, have victim lean forward. Drink large amounts of water. Call physician.
- Note to Physician:** Treat symptomatically and supportively.

5. Fire Fighting Measures

- Flash Pt:** NE
- Explosive Limits:** LEL: N/A N.E. UEL: N/A N.E.
- Autoignition Pt:** NE
- Suitable Extinguishing Media:** CO2, dry foam, water.
- Fire Fighting Instructions:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.
- Flammable Properties and Hazards:** No data available.
- Hazardous Combustion Products:** No data available.

6. Accidental Release Measures

- Steps To Be Taken In Case Material Is Released Or Spilled:** Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container.

7. Handling and Storage

- Precautions To Be Taken in Handling:** Wash thoroughly after handling.
- Precautions To Be Taken in Storing:** Store in a cool, dry, well-ventilated area away from incompatible substances.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
67-63-0	Isopropyl alcohol	PEL: 400 ppm	TLV: 200 ppm STEL: 400 ppm	No data.
111-76-2	Ethanol, 2-Butoxy-	PEL: 50 ppm	TLV: 20 ppm	No data.

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Respiratory Equipment (Specify Type):	No special requirements under normal use conditions.
Eye Protection:	No special requirements under normal use conditions.
Protective Gloves:	No special requirements under normal use conditions.
Other Protective Clothing:	No special requirements under normal use conditions.
Engineering Controls (Ventilation etc.):	No special ventilation requirements.

9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid
Appearance and Odor:	Blue color liquid with solvent odor.
pH:	~ 8.00 - 10.50
Melting Point:	NE
Boiling Point:	>= 212.00 F
Flash Pt:	NE
Evaporation Rate:	NE
Flammability (solid, gas):	No data available.
Explosive Limits:	LEL: N/A N.E. UEL: N/A N.E.
Vapor Pressure (vs. Air or mm Hg):	NE
Vapor Density (vs. Air = 1):	NE
Specific Gravity (Water = 1):	~ 0.998
Density:	~ 8.32 LB/GA
Bulk density:	NE
Solubility in Water:	100%
Saturated Vapor Concentration:	NE
Octanol/Water Partition Coefficient:	No data.
VOC / Volume:	15.0000 GL
Autoignition Pt:	NE
Decomposition Temperature:	NE
Viscosity:	NP
Particle Size:	NE
Heat Value:	NE
Corrosion Rate:	NE

10. Stability and Reactivity

Stability:	Unstable [] Stable [X]
Conditions To Avoid - Instability:	Light, ignition sources, Excess heat, Incompatible materials.
Incompatibility - Materials To Avoid:	Strong oxidizers, open flame, heat and sparks.
Hazardous Decomposition or Byproducts:	CO, CO2.
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	None.

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11. Toxicological Information

Toxicological Information: No data available.

Carcinogenicity/Other Information: CAS# 67-63-0: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 111-76-2: ACGIH: A3 - Confirmed animal carcinogen with unknown relevance to humans.
California: Not listed.
NTP: Not listed.
IARC: Not listed.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

12. Ecological Information

No data available.

13. Disposal Considerations

Waste Disposal Method: Dispose of contents and container according to the local, city, state and federal regulations.

14. Transport Information

LAND TRANSPORT (US DOT):**DOT Proper Shipping Name:** Not regulated as a hazardous material.**DOT Hazard Class:****UN/NA Number:****LAND TRANSPORT (Canadian TDG):****TDG Shipping Name:** Not Regulated.**MARINE TRANSPORT (IMDG/IMO):****IMDG/IMO Shipping Name:** Not Regulated.**AIR TRANSPORT (ICAO/IATA):****ICAO/IATA Shipping Name:** Not Regulated.

15. Regulatory Information

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
67-63-0	Isopropyl alcohol	No	No	Yes
111-76-2	Ethanol, 2-Butoxy-	No	No	Yes-Cat. N230

This material meets the EPA Yes No Acute (immediate) Health Hazard**'Hazard Categories' defined** Yes No Chronic (delayed) Health Hazard**for SARA Title III Sections** Yes No Fire Hazard**311/312 as indicated:** Yes No Sudden Release of Pressure Hazard Yes No Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
67-63-0	Isopropyl alcohol	CA PROP.65: No; CA TAC, Title 8: TAC, Title 8
111-76-2	Ethanol, 2-Butoxy-	CA PROP.65: No; CA TAC, Title 8: TAC, Title 8

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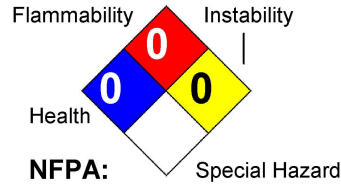
16. Other Information

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Hazard Rating System:

HEALTH		0
FLAMMABILITY		0
PHYSICAL		0
PPE		A

HMIS:



Additional Information About This Product: No data available.

This Product:

Company Policy or

Disclaimer:

The manufacturer believes the data set forth are accurate and makes no warranty with respects thereto and disclaims all liability for reliance thereon. Such data are offered solely for consideration, investigation and verification. Also, the data set forth is for the concentrated finished product. All lab samples are for experimental purposes only and used at the customers discretion.