

SAFETY DATA SHEET

Empire Supreme Free Rinse

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Printed: 11/12/2020

Revision: 11/12/2020

Supersedes Revision: 06/18/2018

1. Product and Company Identification

Product Code: 405700GAL
Product Name: Empire Supreme Free Rinse
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: Neutral 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 2B



GHS Signal Word: **Warning**

GHS Hazard Phrases: H302 - Harmful if swallowed.
H320 - Can cause 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.
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.

Inhalation: Not expected to be a problem.

Skin Contact: May cause mild skin irritation.

Eye Contact: May cause eye irritation. Avoid any eye contact.

Ingestion: May cause irritation of the digestive tract. May be harmful if swallowed.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration	
68-04-2	Citric acid, Trisodium salt dihydrate	Proprietary	
68439-46-3	Alcohol ethoxylate	Proprietary	
112-34-5	Diethylene glycol monobutyl ether	Proprietary	

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. Get medical aid if irritation develops or persists.
- In Case of Eye Contact:** Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If irritation develops, get medical aid.
- In Case of Ingestion:** Do NOT induce vomiting. If conscious and alert, rinse mouth and drink 2-4 cupfuls of milk or water. Get medical aid if irritation or symptoms occur.
- Note to Physician:** Show this safety data sheet to the doctor in attendance.

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:** Use water spray, dry chemical, carbon dioxide, or chemical foam.
- 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: Vacuum or sweep up material and place into a suitable disposal container.

7. Handling and Storage

- Precautions To Be Taken in Handling:** Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.
- Precautions To Be Taken in Storing:** Store in cool dry place at room temperature away from direct sunlight.

8. Exposure Controls/Personal Protection

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
68-04-2	Citric acid, Trisodium salt dihydrate	No data.	No data.	No data.
68439-46-3	Alcohol ethoxylate	No data.	No data.	No data.
112-34-5	Diethylene glycol monobutyl ether	No data.	No data.	No data.

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Respiratory Equipment (Specify Type): None.

Eye Protection: Safety glasses.

Protective Gloves: Wear appropriate gloves to prevent skin exposure.

Other Protective Clothing: Wear appropriate protective clothing to minimize contact with skin.

Engineering Controls (Ventilation etc.): No special ventilation requirements. General room ventilation is adequate.

9. Physical and Chemical Properties

Physical States: [] Gas [X] Liquid [] Solid

Appearance and Odor: Light yellow color liquid with lemon fragrance.

pH: ~ 7.00 - 8.00

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): > 1

Specific Gravity (Water = 1): ~ 1.010

Density: ~ 8.42 LB/GA

Bulk density: NE

Solubility in Water: 100%

Saturated Vapor Concentration: NE

Octanol/Water Partition Coefficient: No data.

VOC / Volume: 0.0000 G/L

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: None.

Incompatibility - Materials To Avoid: Strong oxidizers, ammonia, bleach, strong acids and strong alkali materials.

Hazardous Decomposition or Byproducts: Carbon monoxide, Carbon dioxide.

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Reactions: None.

11. Toxicological Information

Toxicological Information: CAS# 68-04-2: Acute toxicity, LD50, Intraperitoneal, Rat, 1548. MG/KG. Result: Behavioral: Convulsions or effect on seizure threshold. Lungs, Thorax, or Respiration: Cyanosis. Gastrointestinal: Changes in structure or function of salivary glands. ; Journal of Pharmacology and Experimental Therapeutics, Williams & Wilkins Co., 428 E. Preston St., Baltimore, MD 21202, Vol/p/yr: 94,65, 1948
 CAS# 68439-46-3: Acute toxicity, LD50, Oral, Rat, 1378. MG/KG. Result: Vascular: Measurement of regional blood flow. Biochemical: Enzyme inhibition, induction, or change in blood or tissue levels: Dehydrogenases. Biochemical: Metabolism (Intermediary): Lipids including transport. ; Journal of the American College of Toxicology., Mary Ann Liebert, Inc., New York, NY, Vol/p/yr: 10(4),427, 1991

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

12. Ecological Information

General Ecological Information: CAS# 68-04-2: Not reported., Northern Squawfish (*Ptychocheilus oregonensis*), 10000. UG/L, 24 H, Mortality, Water temperature: 7.80 C C, pH: 7.20, Hardness: 17.00 MG/L. Result: Aerated. Tested in polyethylene bags. Conc/only conc tested. Effect: Neither loss of equilibrium nor death occurred. ; Lethal Effects of 1888 Chemicals upon Four Species of Fish from Western North America, MacPhee, C., and R. Ruelle, 1969
 CAS# 68439-46-3: LC50, Fathead Minnow (*Pimephales promelas*), 11000. UG/L, 96 H, Mortality, Water temperature: 22.00 C C. Result: Morphological changes. ; Acute Toxicity and Structure-Activity Relationships of Nine Alcohol Ethoxylate Surfactants to Fathead Minnow and *Daphnia magna*, Wong, D.C.L., P.B. Dorn, and E.Y. Chai, 1997

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 FOR DOMESTIC TRANSPORT.
DOT Hazard Class:
UN/NA Number:

LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: Not Regulated.

LAND TRANSPORT (European ADR/RID):

ADR/RID 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)
68-04-2	Citric acid, Trisodium salt dihydrate	No	No	No
68439-46-3	Alcohol ethoxylate	No	No	No
112-34-5	Diethylene glycol monobutyl ether	No	No	Yes-Cat. N230

This material meets the EPA Yes No Acute (immediate) Health Hazard

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'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

[] Yes [X] No	Chronic (delayed) Health Hazard
[] Yes [X] No	Fire Hazard
[] Yes [X] No	Sudden Release of Pressure Hazard
[] Yes [X] No	Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
68-04-2	Citric acid, Trisodium salt dihydrate	CA PROP.65: No; CA TAC, Title 8: No
68439-46-3	Alcohol ethoxylate	CA PROP.65: No; CA TAC, Title 8: No
112-34-5	Diethylene glycol monobutyl ether	CA PROP.65: No; CA TAC, Title 8: Yes - Cat.

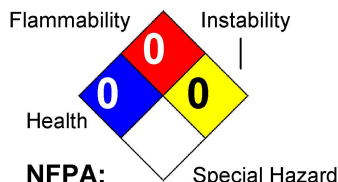
16. Other Information

Revision Date: 11/12/2020

Hazard Rating System:

HEALTH	0
FLAMMABILITY	0
PHYSICAL	0
PPE	B

HMIS:



Additional Information About This Product: No data available.

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.