

SAFETY DATA SHEET

Empire Full Strip Floor Stripper

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Printed: 11/12/2020

Revision: 10/28/2020

Supersedes Revision: 06/18/2018

1. Product and Company Identification

Product Code: 538150GAL
Product Name: Empire Full Strip Floor Stripper
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: Floor Stripper
Intended Use: For sale to, use and storage by service persons only.
Additional Information: 534481Pail

2. Hazards Identification

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



GHS Signal Word: **Warning**
GHS Hazard Phrases: H302 - Harmful if swallowed.
H315 - Causes skin irritation.
H319 - Can cause serious eye irritation.
GHS Precaution Phrases: P264 - Wash hands thoroughly after handling.
P280 - Wear protective gloves, protective clothing, eye protection, face protection.
P102 - Keep out of reach of children.
GHS Response Phrases: P301+312 - If swallowed: Call a Poison Center or doctor if you feel unwell.
P302+352 - If on skin (or in hair): Wash with plenty of soap and water.
P332+313 - If skin irritation occurs, get medical attention immediately.
P362 - Take off contaminated clothing.
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 dermatitis.
Inhalation: Dizziness, headaches and irritation. Avoid breathing vapors or mists.
Skin Contact: Causes skin irritation. May cause skin rash (in milder cases), and cold and clammy skin with cyanosis or pale color.
Eye Contact: Corrosive to the eyes and may cause severe damage including blindness. Avoid any eye contact.
Ingestion: May cause severe gastrointestinal tract irritation with nausea, vomiting and possible burns. Causes burns.

3. Composition/Information on Ingredients

CAS #	Hazardous Components (Chemical Name)	Concentration	
111-76-2	Ethanol, 2-Butoxy-	Proprietary	
1310-73-2	Sodium hydroxide	Proprietary	
78-96-6	1-Amino-2-Propanol	Proprietary	
6834-92-0	Silicic acid (H ₂ SiO ₃), Disodium salt	Proprietary	

4. First Aid Measures

Emergency and First Aid

Procedures:

- In Case of Inhalation:** Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. If unconscious, call a physician.
- In Case of Skin Contact:** Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Consult a physician.
- In Case of Eye Contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
- In Case of Ingestion:** If victim is conscious and alert, give 2-4 cupfuls of milk or water. Consult a physician.
- Signs and Symptoms Of Exposure:** Burning sensation, Cough, Wheezing, Laryngitis, Shortness of breath.
- 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:** 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: Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Avoid runoff into storm sewers and ditches which lead to waterways.

7. Handling and Storage

- Precautions To Be Taken in Handling:** Do not get in eyes, on skin, or on clothing. Do not ingest or inhale. Wash thoroughly after handling. Keep away from heat and flame. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.
- 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
111-76-2	Ethanol, 2-Butoxy-	PEL: 50 ppm	TLV: 20 ppm	No data.
1310-73-2	Sodium hydroxide	PEL: 2 mg/m ³	CEIL: 2 mg/m ³	No data.

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78-96-6	1-Amino-2-Propanol	No data.	No data.	No data.
6834-92-0	Silicic acid (H ₂ SiO ₃), Disodium salt	No data.	No data.	No data.

Respiratory Equipment (Specify Type):	Always use a NIOSH approved respirator when necessary.
Eye Protection:	Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.
Protective Gloves:	Wear appropriate protective gloves to prevent skin exposure. Handle with gloves.
Other Protective Clothing:	Wear appropriate protective clothing to prevent skin exposure.
Engineering Controls (Ventilation etc.):	Use adequate general or local exhaust ventilation to keep airborne concentrations below the permissible exposure limits.
Work/Hygienic/Maintenance Practices:	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. Physical and Chemical Properties

Physical States:	[] Gas [X] Liquid [] Solid
Appearance and Odor:	Yellow color liquid with solvent odor.
pH:	~ 11.50 - 12.50
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):	~ 1.040
Density:	~ 8.67 LB/GA
Bulk density:	NE
Solubility in Water:	100%
Saturated Vapor Concentration:	NE
Octanol/Water Partition Coefficient:	No data.
VOC / Volume:	57.0000 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 oxidizing agents, Strong bases, Aluminum, Water, Metals. acids, Aluminum and Soft Metals. gelatin, nitromethane, leather, flammable liquids, organic halogens. Lead. Tin/tin oxides.
Hazardous Decomposition or Byproducts:	Carbon monoxide, Toxic fumes of sodium oxide, Nitrogen oxides, formed under fire conditions. Sodium oxides, silicon oxides.
Possibility of Hazardous Reactions:	Will occur [] Will not occur [X]
Conditions To Avoid - Hazardous Reactions:	None.

11. Toxicological Information

Toxicological Information:	<p>CAS# 111-76-2: Acute toxicity, LD50, Oral, Rat, 470.0 MG/KG. Result: Behavioral: Somnolence (general depressed activity). Behavioral: Muscle weakness. ; Dow Chemical Company Reports., Dow Chemical USA, Health and Environment Research, Toxicology Research Lab, Midland, MI 48640, Vol/p/yr: MSD-46, Acute toxicity, LC50, Inhalation, Rat, 450.0 PPM, 4 H. Result: Behavioral: Ataxia. Nutritional and Gross Metabolic: Weight loss or decreased weight gain. ; Toxicology and Applied Pharmacology, Academic Press, Inc., 1 E. First St., Duluth, MN 55802, Vol/p/yr: 68,405, 1983</p> <p>CAS# 1310-73-2: Acute toxicity, LD50, Intraperitoneal, Mouse, 40.00 MG/KG. Result: Behavioral: Somnolence (general depressed activity). ; Comptes Rendus Hebdomadaires des Seances, Academie des Sciences., For publisher information, see CRASEV, Paris France, Vol/p/yr: 257,791, 1963</p> <p>CAS# 6834-92-0: Acute toxicity, LD50, Oral, Mouse, 770.0 MG/KG. Result: Kidney, Ureter, Bladder: Changes in tubules (including acute renal failure, acute tubular necrosis). Kidney, Ureter, Bladder: Changes in bladder weight. Nutritional and Gross Metabolic: Weight loss or decreased weight gain. ; Toxicology Letters., Elsevier Science Pub. B.V., POB 211, 1000 AE, Amsterdam 1000 AE Netherlands, Vol/p/yr: 31(Suppl), 1986</p>
Carcinogenicity/Other Information:	<p>California: Not listed. NTP: Not listed. IARC: Not listed. CAS# 1310-73-2: Not listed by ACGIH, IARC, NTP, or CA Prop 65. CAS# 78-96-6: Not listed by ACGIH, IARC, NTP, or CA Prop 65. Carcinogenicity. NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.</p>
Carcinogenicity:	NTP? No IARC Monographs? No OSHA Regulated? No

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12. Ecological Information

General Ecological Information:

CAS# 111-76-2: LC50, Brine Shrimp (*Artemia salina*), nauplii, 1000000. UG/L, 24 H, Mortality, Water temperature: 24.00 C C. Result: Morphological changes. ; Brine Shrimp Bioassay and Seawater BOD of Petrochemicals, Price, K.S., G.T. Waggy, and R.A. Conway, 1974

CAS# 1310-73-2: LC50, Western Mosquitofish (*Gambusia affinis*), adult(s), 125000. UG/L, 24 H, Mortality, Water temperature: 22.00 C - 24.00 C C, pH: 9.00. Result: No loss of equilibrium observed. ; Toxicity to *Gambusia affinis* of Certain Pure Chemicals in Turbid Waters, Wallen, I.E., W.C. Greer, and R. Lasater, 1957

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.

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)
111-76-2	Ethanol, 2-Butoxy-	No	No	Yes-Cat. N230
1310-73-2	Sodium hydroxide	No	Yes 1000 LB	No
78-96-6	1-Amino-2-Propanol	No	No	No
6834-92-0	Silicic acid (H ₂ SiO ₃), Disodium salt	No	No	No

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
111-76-2	Ethanol, 2-Butoxy-	CA PROP.65: No; CA TAC, Title 8: TAC, Title 8
1310-73-2	Sodium hydroxide	CA PROP.65: No; CA TAC, Title 8: TAC, Title 8
78-96-6	1-Amino-2-Propanol	CA PROP.65: No; CA TAC, Title 8: No
6834-92-0	Silicic acid (H ₂ SiO ₃), Disodium salt	CA PROP.65: No; CA TAC, Title 8: No

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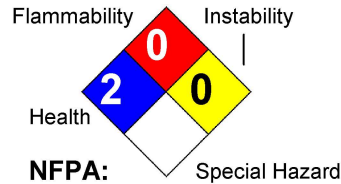
16. Other Information

Revision Date: 10/28/2020

Hazard Rating System:

HEALTH		2
FLAMMABILITY		0
PHYSICAL		0
PPE		C

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.