

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier

Product Form : Mixture
Product Name : Lightning
Product Code : 3735

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Floor Stripper

1.3 Details of the supplier of the safety data sheet

Twi-Laq Industries, Inc.
1345 Seneca Avenue
Bronx, NY 10474
T (718) 638-5860

1.4 Emergency telephone number

Emergency number : CHEM-TREC 1-800-424-9300

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

Classification (GHS-US)

Skin Corr. 2, H315
Eye Irrit. 2, H319

2.2 Label Elements

GHS-US labeling

Hazard pictograms (GHS-US) :



GHS07

Signal Word (GHS-US) :

WARNING

Hazard Statements (GHS-US) :

H315 - Causes skin irritation
H319 - Causes serious eye irritation

Precautionary statements (GHS-US) :

P264 - Wash hands and forearms thoroughly after handling
P280 - Wear Protective gloves/eye protection/face protection
P302+P352 - IF ON SKIN, wash with plenty of soap and water.
P362 - Take off contaminated clothing and wash before reuse
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists: Get medical advice/attention.

2.3 Other Hazards

No additional information available

2.4 Unknown Acute Toxicity

No Data Available

SECTION 3: Composition / Information on Ingredients

3.1 Substance

Not Applicable

3.2 Mixture

Name	Product Identifier	%	Classification (GHS-US)
sodium alkane sulfonate	(CAS No.) 5324-84-5	10 - 15	Acute Tox. 4 (Dermal), H312 Skin Corr. 1A, H314 Eye Dam. 1, H318 Aquatic Acute 3, H402
Phenoxyethanol	(CAS No.) 122-99-6	10 - 15	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319
Butoxypropanol	(CAS No.) 5131-66-8	1 - 5	Flam. Liq. 3, H226 STOT SE 3, H336
2-aminoethanol	(CAS No.) 141-43-5	1 - 5	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H312 Skin Corr. 1B, H314

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SECTION 4: First Aid Measures

4.1 Description of First Aid measures

First Aid measures general : If you feel unwell, seek medical advice.
First Aid measures after inhalation : Remove to fresh air.
First Aid measures after skin contact : Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention.
First Aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
First Aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER or doctor/physician if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms / injuries : Contact may cause irritation and redness

4.3 Indication of any immediate medical attention and special treatment needed

Note to physicians : Treat symptomatically

SECTION 5: Firefighting Measures

5.1 Extinguishing Media

Suitable extinguishing media : Use extinguishing methods that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media : Not Determined

5.2 Special hazards arising from the substance or mixture

Non-flammable

5.3 Advice for firefighters

Firefighting Instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel

Emergency Procedures : Evacuate unnecessary personnel

6.1.2 For emergency responders

Protective Equipment : Use personal protective equipment as required
Emergency Procedures : Ventilate area

6.2 Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up. : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4 Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Precautions for safe handling : Handle in accordance with good industrial hygiene and safety practice. Wash face, hands, and any exposed skin thoroughly after handling. Use personal protection recommended in Section 8

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions : Keep containers tightly closed in a dry, cool, and well ventilated place.
Incompatible products : Strong acids.

7.3 Specific end use(s)

No additional information available

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

2-aminoethanol (141-43-5)		
USA ACGIH	ACGIH TLV TWA (ppm)	3 ppm
USA ACGIH	ACGIH TLV STEL (ppm)	6 ppm
USA ACGIH	Remark (ACGIH)	Eye & Skin irr
USA OSHA	OSHA PEL (TWA) (mg/m ³)	6 mg/m ³
USA OSHA	OSHA PEL (TWA) (ppm)	3ppm
NIOSH IDLH	IDLH (ppm)	30 ppm
NIOSH IDLH	TWA (ppm)	3 ppm
NIOSH IDLH	TWA (mg/m ³)	8 mg/m ³
NIOSH IDLH	STEL (ppm)	6 ppm
NIOSH IDLH	STEL (mg/m ³)	15 mg/m ³

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8.2 Exposure controls

Engineering Controls : Apply technical measures to comply with the occupational exposure limits.

Individual Protection Measures, such as Personal Protective Equipment

Skin and Body Protection : Wear suitable protective clothing including but not limited to latex or other impervious glove

Eye Protection : Wear approved safety goggles where a splash hazard exists.

Respiratory Protection : Ensure adequate ventilation, especially in confined areas.

Other Information : Handle in accordance with good industrial hygiene and safety practices.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Clear
Odor	: Slight
Odor threshold	: No data available
pH	: No data available
Relative evaporation rate (butyl acetate=)	: No data available
Melting Point	: No data available
Freezing Point	: No data available
Boiling Point	: No data available
Flash Point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor Pressure	: No data available
Relative vapor density @ 20°C	: No data available
Relative density	: No data available
Solubility	: No data available
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive Properties	: No data available
Oxidizing Properties	: No data available
Explosive Limits	: No data available

9.2 Other Information

No additional information available.

SECTION 10: Stability and Reactivity

10.1 Reactivity

Not reactive under normal conditions of use.

10.2 Chemical Stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

None under normal processing.

10.4 Conditions to avoid

Keep out of reach of children.

10.5 Incompatible materials

Strong Acids

10.6 Hazardous decomposition products

None known based on information supplied.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

Acute Toxicity :

phenoxyethanol (122-99-6)	
LD50 oral rat	=1260 mg/kg (Rat)
LD50 dermal rat	=14422 mg/kg (Rat)
LD50 dermal rabbit	=5mL/kg (Rabbit)

butoxypropanol (5131-66-8)	
LD50 oral rat	=5660 µL/kg (Rat)
LD50 dermal rabbit	=3100 mg/kg (Rabbit)

2-aminoethanol (141-43-5)	
LD50 oral rat	=1720 mg/kg (Rat)
LD50 dermal rabbit	=1mL/kg (Rabbit) = 1025 mg/kg (rabbit)

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Serious eye damage / irritation	: Causes serious eye irritation
Respiratory or skin sensitization	: Avoid breathing vapors
Germ cell mutagenicity	: Not classified
Carcinogenicity	: This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP
Reproductive Toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Based on available date, the classification criteria are not met.

SECTION 12: Ecological Information

12.1 Toxicity

phenoxyethanol (122-99-6)	
LC50 fish 1	337-352: 96h Pimephales promelas mg/L LC50 flow through
LC50 fish 2	366: 96h Pimephales promelas mg/L LC50 static
LC50 fish 3	220-460: 96h Leuciscus idus mg/L LC50 static
EC50 Daphnia 1	32.4 mg/L, 5min
EC50 Daphnia 2	880 mg/L, 17h
Threshold limit algae 1	500: 72h Desmodesmus subspicatus mg/L EC50

2-aminoethanol (141-43-5)	
LC50 fish 1	150 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)
EC50 Daphnia 1	1700 mg/l (48 h; Daphnia sp.; Nominal concentration)
LC50 fish 2	1341 ppm (96 h; Lepomis macrochirus)
TLM fish 1	100 - 1000, 96 h; Pisces
TLM other aquatic organisms	100 - 1000, 96 h
Threshold limit algae 1	900 mg/l (168 h; Scenedesmus quadricauda)
Threshold limit algae 2	35 mg/l (192 h; Microcystis aeruginosa)

12.2 Persistence and degradability

Lightning	
Persistence and degradability	Not established

2-aminoethanol (141-43-5)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in soil.
Biochemical oxygen demand (BOD)	0.80g O2/g substance
Chemical oxygen demand (COD)	1.34g O2/g substance
ThOD	2.49g O2/g substance
BOD (% of ThOD)	0.32 % ThOD

12.3 Bioaccumulative potential

Lightning	
Bioaccumulative potential	Not established

12.4 Mobility in Soil

phenoxyethanol (122-99-6)	
Partition Coefficient	1.13
2-aminoethanol (141-43-5)	
Partition Coefficient	-1.91

12.5 Other adverse effects

Effect on ozone layer	: No additional information available
Effect on the global warming	: No known ecological damage caused by this product
Other information	: Avoid release to the environment

SECTION 13: Disposal Considerations

13.1 Waste Treatment Methods

Waste disposal recommendations	: Dispose in a safe manner in accordance with local, state, and federal regulations.
Ecology - Waste materials	: Avoid release to the environment

SECTION 14: Transport Information

In accordance with DOT	: Not regulated for transport
IATA	: Not regulated
IMDG	: Not regulated
Note	: See current shipping paper for most up to date shipping information, including exemptions and special circumstances.

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SECTION 15: Regulatory Information

International Inventories

Not Determined

Legend

- TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
- SL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS - Japan Existing and New Chemical Substances
- IECSC - China Inventory of Existing Chemical Substances
- KECL - Korean Existing and Evaluated Chemical Substances
- PICCS - Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations

SARA 313

Chemical Name	CAS No.	Weight - %	SARA 313 - Threshold Values %
phenoxyethanol	122-99-6	10 - 15	1.0

US State Regulations

US State Right-to-Know Regulations

Chemical Name	New Jersey	Pennsylvania	Massachusetts
phenoxyethanol (122-99-6)	X		X
2-aminoethanol (141-43-5)	X	X	X

Revision Date : 5/18/2015

Other Information : None

Full text of H-phrases

Acute Tox. 2 (inhalation: gas)	Acute Toxicity (inhalation:gas) Category 2
Acute Tox. 3 (Dermal)	Acute Toxicity (dermal) Category 3
Skin Corr. 2	Skin corrosion/irritation Category 2
Acute Tox. 4 (Dermal)	Acute Toxicity (dermal) Category 4
Acute Tox. 4 (Oral)	Acute Toxicity (oral) Category 4
Aquatic Acute 3	Hazardous to the aquatic environment - Acute Hazard Category 3
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 3	Flammable Liquids Category 3
Skin Corr. 1A	Skin corrosion/irritation Category 1A
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H226	Flammable Liquid and Vapor
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H402	Harmful to aquatic life

GREEN SEAL CERTIFIED (GS-40) : This product meets the Green Seal™ environmental standard for industrial and institutional floor care products based on its reduced human and aquatic toxicity and reduced smog protection potential.

SDS US (GHS Hazcom 2012)

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