

LIGHTNIN'

Section 1: Identification

Product Identifier:
Lightnin'

Other Means of Identification:
SOL-029

Recommended Use of the Chemical:
See label for recommended use

Responsible Party:
Solar Chemical
3471 Atlanta Industrial Pkwy
Atlanta, GA 30331 USA
www.solarchemonline.com

Emergency Phone Number:
For chemical emergencies call Chemtrec at
1.800.262.8200

Section 2: Hazard Identification

Classification of the Chemical:
Skin Corrosion, category 1

Signal Word:
Danger

Hazard Symbol:



Hazard Statement(s):
Causes severe skin burns and eye damage

Hazards Not Otherwise Classified:
None known

0% of the mixture consists of ingredients of unknown toxicity

Precautionary Statement(s):

Do not breathe dusts or mists
Wash hands and exposed skin thoroughly after handling
Wear protective gloves and eye protection
Specific treatment (see FIRST AID section on this label)
Store locked up
Dispose of container in accordance with local regulations

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a poison control center
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Note:

Labeling information found on this SDS may be different from label. Safety Data Sheets are regulated by OSHA (29 CFR §1910.1200) while the actual product and its label may be regulated by a different government agency

LIGHTNIN'

Section 3: Composition

Ingredient	CAS	wt%	GHS Classification(s)
Sodium Hydroxide	1310-73-2	10-20	Skin Damage 1
Edetate Sodium	64-02-8	1-10	Eye Damage 1, Acute Tox 4 (oral)

Trade Secret Claim

When applicable, the specific concentration of each hazardous ingredient is considered a TRADE SECRET. Chemical names and identifiers will be listed in exact composition weight and name when not subject to trade secret exemptions

Section 4: First Aid Measures

General First Aid Measures:

If medical attention is required then provide product label or safety data sheet to a medical professional

Most Important Symptoms:

Skin and eye exposure may cause damage

If Inhaled:

Move person to fresh air and keep comfortable for breathing. Administer artificial respiration if person is not breathing

If on Skin:

Wash with soap and water. Take off contaminated clothing and launder with detergent before reuse

Indication of Immediate Medical Attention:

Seek immediate medical attention if exposed to skin, eyes, or inhaled and feel unwell

If in Eyes:

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so

If Swallowed:

Do NOT induce vomiting unless instructed to do so by a trained medical professional. Rinse mouth with water

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media:

Dry chemicals, foam, carbon dioxide

Unsuitable Extinguishing Media:

None known

Specific Hazards Arising From the Chemical:

None known

Hazardous Combustion Products:

Not determined

Special Protective Equipment for Fire-fighters:

Not determined

Precautions for Fire-Fighters:

Not determined

LIGHTNIN'

Section 6: Accidental Release Measures

Personal Precautions:

Ensure that the environment is physically safe to be in. Wear personal protective equipment before remedying an accidental release of mixture

Protective Equipment:

Wear gloves suitable for chemical resistance. Wear protective eye glasses/goggles. In the event of inadequate air ventilation use artificial breathing apparatuses

References:

See Section 7 on safe handling. Section 8 for information on personal protection equipment. See Section 13 for disposal information

Emergency Procedures:

Evacuate all non-essential personnel from the area. Ensure that all drains are covered to prevent environmental exposure. Follow methods found in next sub-section: Methods for Containment and Clean Up

Methods for Containment and Clean Up:

Provide mechanical ventilation. Soak up with an absorbing agent such as saw dust, sand, or sponges and sweep into a container appropriate for storage. Offer to a licensed waste disposal company for appropriate disposal

Section 7: Handling and Storage

Precautions for Safe Handling:

Keep in original container before and after use. Read product label thoroughly and follow directions as provided in each label's Directions section. Wear protective equipment suggested in Section 8 even if product label does not recommend use of protective equipment

Conditions for Safe Storage:

Store in all original containers/packaging as product label contains important information regarding proper use of chemical. Store appropriate to NFPA ratings found in Section 15 of this SDS

Storage Incompatibilities:

None known

Section 8: Personal Protection

Exposure Limits

Ingredient

Sodium Hydroxide
Edetate Sodium

CAS

1310-73-2
64-02-5

PEL

2 mg/m³
n/a

AGIH

2 mg/m³
n/a

NIOSH

2 mg/m³
n/a

General Note:

Practice good industrial hygiene by washing hands thoroughly before and after use. Keep working areas clean. Ensure proper use of personal protective equipment as recommended in this section

Eye Protection:

Eye glasses or goggles are required when using this product. Eye protection should fit user as to minimize risk of exposure as much as possible

LIGHTNIN'

Appropriate Engineering Controls:

Ensure adequate mechanical ventilation capable of preventing vapor build up

Respiratory Protection

Mechanical ventilation is often sufficient for ensuring respiratory systems are better protected against exposure to material; however, should it be determined that material exposure limits are being concentrated as vapors then local ventilation should be utilized. Not anticipated to require personal breathing apparatuses for use or other respiratory protection equipment

Skin Protection:

Wear long sleeves and pants to minimize exposure to skin. Wear protective gloves when using this product. Gloves should be chemically resistant to the material. Launder contaminated clothing before reuse. Wear an apron if usage of chemical is anticipated to expose user to a large quantity of material

Section 9: Chemical Properties

Appearance	Clear liquid	Upper Explosive %	Not determined
Odor	Not determined	Lower Explosive %	Not determined
Odor Threshold	Not determined	Vapor Density	Not determined
pH	13.0	Relative Density	Not determined
Melting Point	Not determined	Solubility	Miscible
Boiling Point	Not determined	Partition Coefficient	Not determined
Flash Point	Not determined	Auto-Ignition Temp	Not determined
Evaporation Rate	Not determined	Decomposition Temp	Not determined
Flammability	Not determined	Viscosity	Not determined

Section 10: Stability and Reactivity

Reactivity:

Not reactive under normal conditions

Chemical Stability:

Material is anticipated to be stable in normal storage conditions when not exposed to any incompatible materials

Possibility of Hazardous Reactions:

None known

Conditions to Avoid:

Ensure that chemical is not exposed to heat, direct sunlight, or sources of ignition

Incompatible Materials:

None known

Hazardous Decomposition Products:

Not anticipated to produce any hazardous decomposition products beyond any health risk

Section 11: Toxicological Information

Acute Toxicity Estimates

Oral: >2,000 mg/kg bw
Dermal: Contains no ingredient(s) considered toxic
Inhalation: Contains no ingredient(s) considered toxic

Aspiration Hazard: Contains no ingredient(s) which poses a risk in this category

Respiratory Sensitization : Contains no ingredient(s) which poses a risk in this category

Carcinogenicity: Contains no ingredient(s) which poses a risk in this category

Skin Corrosion/Irritation: May cause permanent skin damage if exposed

Eye Damage/Irritation: May cause permanent eye damage if exposed

Skin Sensitization: Contains no ingredient(s) which poses a risk in this category

Germ Cell Mutagenicity: Contains no ingredient(s) which poses a risk in this category

Specific Target Organ Toxicity – Repeated Exposure: Contains no ingredient(s) which poses a risk in this category

Reproductive Toxicity: Contains no ingredient(s) which poses a risk in this category

Specific Target Organ Toxicity – Single Exposure: May cause respiratory irritation

International Agency for Research on Cancer Listing: No ingredient(s) listed as possibly carcinogenic

Delayed and Immediate Effects From Short- and Long-Term Exposure: Not determined

National Toxicology Program Listing: No ingredient(s) listed as possibly carcinogenic

Symptoms related to the Chemical Characteristics: Not determined

Section 12: Ecological Information

Ecotoxicity Toxicity Estimates

Algae: Contains no ingredient(s) considered toxic
Fish: Contains no ingredient(s) considered toxic
Crustacea: Contains no ingredient(s) considered toxic

Persistence and Degradability:
Not determined

Mobility in Soil:
Not determined

Bioaccumulative Potential:
Not determined

Other Adverse Effects:
Not determined

Section 13: Disposal Considerations

Disposal of Empty Containers:

Empty container can be recycled

Disposal of Material:

Dispose of full or partially full containers by offering material to a licensed waste management company and follow all local regulations on proper disposal of material

Section 14: Transportation Information

Hazard Placards:



UN Number:	3266
UN Shipping Name:	Corrosive liquid, basic, inorganic, n.o.s.
Technical Name(s):	Sodium Hydroxide Mixture
Hazard Class(es):	8
Packaging group:	II
Limited Quantity:	< 1 L
Marine Pollutant:	No
Transport in Bulk:	Not determined
Special Precautions:	Keep in original container. Do not store excessive weight on top

Section 15: Regulatory Information

SARA 311/312: Sodium Hydroxide

SARA 313: Not listed

TSCA Inventory List

All ingredients in this mixture are on the TSCA inventory list as active or exempt.

California

Prop65: No applicable ingredient(s)

ARB Designation: Not applicable

VOC Limit: Not applicable

HMIS®III: (higher numbers indicate higher risk)

Health, 3

Flammability, 0

Physical Hazard, 1

NFPA®: (higher numbers indicate higher risk)

Health, 3

Flammability, 0

Instability, 0

Section 16: Other Information

Revision History

June 2022 SDS Revision based on formula review

General Disclaimer

All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publications of use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process

SDS Authored By

Cogwork Consulting Group
www.cogworkconsulting.com

- END SAFETY DATA SHEET -