

Safety Data Sheet



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Section 1. Chemical Product and Company Identification

Product Name Lightning
Product Use Synthetic detergents
Product Code 5030
Date of Issue 7/26/2016
Supersedes 10/27/2014

Emergency Telephone Numbers
CHEMTREC- 1-800-424-9300

(For use only in the event of emergencies involving a spill, leak, fire, exposure, or accident involving chemicals)

Section 2. Hazards Identification

Emergency Overview

DANGER



Health Hazards

Skin Corrosion/Irritation

Category 2

Serious eye damage/ eye irritation

Category 1

Precautionary Statements:

P264 Wash hands thoroughly after handling
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor/physician
P332+P313 IF SKIN irritation occurs: Get medical advice/attention.
P362 Take off contaminated clothing and wash before reuse.

Hazard Statements:

H315 Causes skin irritation
H320 Causes serious eye damage

Routes of Entry Dermal, Oral, and Inhalation

Acute Effects:

Eyes Can irritation to serious eye damage depending on duration of contact
Skin May cause irritation
Inhalation No adverse effects expected. Use in a well-ventilated area
Ingestion May cause nausea, vomiting and diarrhea if a large quantity is ingested

Section 3. Composition/Information on Ingredients

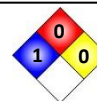
<u>Name of Hazardous Ingredients</u>	<u>CAS Number</u>	<u>% by Weight</u>
Hydrochloric acid	7647-01-0	<5

Section 4. First Aid Measures

Eye Contact Flush with clean water for 15 minutes. Seek immediate medical attention
Skin Contact Flush with clean water for 15 minutes. If a rash or irritation persists, seek immediate medical attention.
Inhalation Remove to fresh air.
Ingestion Do not induce vomiting. Give several glasses of water. Never give anything to an unconscious person orally. Seek immediate medical attention.

Section 5. Fire Fighting Measures

National Fire Protection Association (U.S.A)
 (estimated rating)



Hazardous Combustion Products N/A
Extinguishing Media CO₂ or water spray
Unsuitable Extinguishing Media N/A
Fire Fighting Procedures Wear protective gear. Use water spray to cool fire-exposed containers.

Section 6. Accidental Release Measures

Spill Clean Up All spilled material must be contained and kept out of waterways, sewers and drains. The spilled chemical should be absorbed with an inert material. Flush cleaned area thoroughly with water.

Section 7. Handling and Storage

Handling and Storage Keep container tightly closed when not in use. Keep out of the reach of children. Have eyewash accessible to use in handling area.

Section 8. Exposure Controls/Personal Protection**Exposure Limits**

Product Name	OSHA PEL	NIOSH REL	AIHA WEEL	ACGIH TLV
None	5ppm	5ppm	-	2 ppm

Engineering Controls Use in a well-ventilated area

**Personal Protective Equipment (PPE)**

Eyes Safety glasses or chemical splash goggles
Body Rubber or neoprene gloves
Respiratory Not required

Section 9. Physical and Chemical Properties

Physical State	Liquid	Explosive Limits	N/A
Color	Clear amber	Vapor Pressure	22.0 mmHg
Odor	Mild odor	Vapor Density	N/A
Odor Threshold	N/A	Relative Density	N/A
pH	1.5-2.2	Solubility	Complete
Freezing Point	N/A	Partition Coefficient	N/A
Boiling Point	212°F	Auto-Ignition Temp.	N/A
Flash Point	Not combustible	Decomposition Temp.	N/A

Evaporation Rate N/A

Flammability Non-Flammable

Viscosity N/A

Specific Gravity 1.04-1.06

Section 10. Stability and Reactivity

Stability and Reactivity	Stable
Incompatibility	Strong acids
Hazardous Polymerization	Will not occur
Hazardous Decomposition Products	None
Conditions to Avoid	N/A

Section 11. Toxicological Information

Routes of Entry	Dermal, oral and inhalation
Symptoms	Irritation to burns
Skin Irritant	Yes
Eye Irritant	Yes, corrosive
Sensitizers	Not determined
Mutagenicity	No information found
Carcinogenicity	None
Reproductive Toxicity	No information found
Target Organs	None

There is no toxicological data for this product as a whole. Based on relevant ingredients with known acute toxicity, the acute toxicity estimate using the additive formula (ATE) has been determined.

Acute Toxicity

Test	Results	Basis
Dermal	No data	
Oral	No data	
Inhalation	No data	

Section 12. Ecological Information

Environmental Effects No ecological information available

Section 13. Disposal Considerations

Waste Information Dispose of in accordance with all Federal, State and Local pollution control regulations.

Section 14. Transportation Information

Regulatory Information	UN number	Proper Shipping Name	Classes	Packaging Group	Label Code
DOT Classification	Not regulated				

Note: DOT Classification applies to most packaging sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.

Section 15. Regulatory Information

US Federal Regulations The following substances are listed as a toxic chemical and are subject to report under the SARA act Section 313: None

The following substances have CERCLA reportable quantity values (in pounds):

None

State Regulations None

Section 16. Other Information

Last Revision 7/26/2016

The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for injuries from the use of the product described herein.