

SAFETY DATA SHEET

RED LIGHTNING

Section 1: Product and Company Identification

Product Name	Red Lightning
Product Description/Use	Frictionless presoak for use in In-bay automatic, tunnel, and self-serve car wash applications.
Manufacturer/Supplier	National Carwash Solutions 1500 SE 37 th St Grimes, IA 50111 (515) 986-3700
Emergency Contact	Company: (515) 986-3700 CHEMTREC: (800) 424-9300

Section 2: Hazards Identification

Hazard Class:

Serious Eye Damage/Irritation (Category 2A)

Skin corrosion/irritation (Category 2)

Hazard Statement(s):

WARNING! H319-Causes serious eye irritation, H315- Causes skin irritation



Precautionary Statement(s) Prevention:

P280: Wear protective gloves/eye protection. P264: Wash hands thoroughly after handling.

Precautionary Statement(s) Response:

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. P302+P352: IF ON SKIN: wash with plenty of soap and water.

P332+P313: IF SKIN irritation occurs: Get medical advice/attention. P362: Take off contaminated clothing and wash before reuse.

Precautionary Statement(s) Disposal:

P501- Dispose of container to recycling after rinsing.

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Section 3: Composition/Information on Ingredients

CAS Number	Material or component	Avg % weight
Proprietary	Mixture*	N/A

*The specific chemical identity and/or percentage of each component is being withheld as a trade secret

Section 4: First Aid Measures

- Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention.
- Skin:** For skin contact flush with large amounts of water. Immediately take off all contaminated clothing. If irritation persists get medical attention. Wash clothing separately before reuse.
- Inhalation:** If symptoms are experienced, remove source of contamination or move victim to fresh air. If symptoms persist, get medical attention. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
- Ingestion:** If ingestion of a large amount does occur, seek medical attention. Do NOT induce vomiting

Section 5: Fire Fighting Measures

- Extinguishing media:** Water fog. Foam. Dry chemical powder. Carbon dioxide (CO₂).
- Protective equipment and precautions for firefighters:** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear
- Unusual fire and explosion hazards:** None known.

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Section 6: Accidental Release Measures

- Personal Precautions:** Use personal protective equipment recommended in Section 8
- Environmental Precautions:** Prevent further leakage or spillage if safe to do so. Keep spills away from storm drains, surface water, and soil.
- Clean-up Procedures:** Small spills- rinse to sanitary sewer drain. Large spills- contain for reclamation or disposal.
- Caution:** Spills of this material may cause floor to become slippery

Section 7: Handling and Storage

- Handling:** Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Wear protective gloves, protective clothing, and eye/face protection.
- Storage:** Store in closed container when not in use.

Section 8: Exposure Controls/Personal Protection

Ingredient Exposure Limits

None for ingredients

OSHA PEL

N/A

ACGIH TLV

N/A

Personal Protection

- Eyes:** Wear chemical goggles. Face-shield.
- Skin:** Wear suitable protective clothing. Use impervious gloves.
- Respiratory Protection:** Respiratory not normally needed.

Engineering Controls

- Ventilation:** Use general ventilation.
- Other Measures:** Eye wash station or eye wash bottle recommended.

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Section 9: Physical and Chemical Properties

Form and Appearance:	Clear, light red liquid	Odor:	Mild
Vapor Pressure:	N/D	Odor Threshold:	N/D
Vapor Density (Air=1):	N/A	pH:	>13
Specific Gravity:	1.08	Melting/Freezing Point:	<32°F/0°C
Solubility in Water:	Complete	Initial Boiling Point:	Near Water
Flash Point:	N/A	Evaporation Rate:	N/D. Similar to water
Flammability:	Will not burn	UEL/LEL:	N/A
N-octanol/Water Partition Coefficient:	N/D	Auto Ignition Temperature:	N/A
Decomposition Temperature:	N/A	Viscosity:	N/D
% Volatile (w/w):	>50%		

Section 10: Stability and Reactivity

Chemical Stability:	This is a stable material
Hazardous Decomposition Products:	Upon decomposition, this product may yield sulfur dioxide and oxides of sulfur
Conditions to avoid:	None known
Materials to avoid:	None known
Hazardous Polymerization:	Will not occur

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Section 11: Toxicological Information

Acute oral toxicity:	LD50- 16,000 mg/kg (rat)
Acute dermal toxicity:	No data is available on this mixture. No indication from ingredients.
Acute inhalation toxicity:	No data is available on this mixture. No indication from ingredients.
Skin corrosion/irritation:	This mixture causes skin irritation.
Serious eye damage/irritation:	Contact with eyes will cause serious irritation
Skin sensitization:	No data is available on this mixture
Respiratory sensitization:	No data is available on this mixture
Germ cell mutagenicity:	No data is available on this mixture. No indication from ingredients.
Carcinogenicity:	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
STOT- Single exposure:	No data is available on this mixture. No indication from ingredients.
STOT- Repeated exposure:	No data is available on this mixture. No indication from ingredients.
Aspiration hazard:	No data available.

Section 12: Ecological Information

Toxicity:	LC50 (96 hr) 310 mg/L (fathead minnow)
Persistence/Degradability:	All organic components are readily biodegradable. All inorganic components will be completely mineralized into naturally occurring salts.
Bioaccumulation potential:	This product is not expected to bio-accumulate
Mobility in soil:	Very low
Other adverse effects:	No data available

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Section 13: Disposal Considerations

Disposal of product: Dispose in accordance with all applicable regulations. All wastes must be handled in accordance with local, state and federal regulations. Regulations vary.

Disposal of packaging: Empty containers should be recycled.

Section 14: Transport Regulations

US Department of Transportation:

UN Number:	N/A
UN Proper Shipping Name:	N/A
Transport Hazard Class(es):	N/A
Packing Group:	N/A
Environmental Hazards:	N/A
Special Precautions for User:	N/A

Canadian T.D.G, IMO Water Transportation, & IATA Air Transportation:

UN Number:	N/A
UN Proper Shipping Name:	N/A
Transport Hazard Class(es):	N/A
Packing Group:	N/A
Environmental Hazards:	N/A
Special Precautions for User:	N/A

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Section 15: Regulatory Information

USA

Federal Regulations

SARA 311/312 Hazardous Categorization

Acute	Yes
Chronic	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive hazard	No

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any HAPs.

Section 16: Additional Information

Key to Abbreviations:

NDA- No data available N/D- Not determined N/A- Not applicable N/E- Not established

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