

# SAFETY DATA SHEET

## RECLAIM ADDITIVE

### Section 1: Product and Company Identification

Product Name	Reclaim Additive
Product Description/Use	Water treatment for car wash reclaim systems
Manufacturer/Supplier	National Carwash Solutions 1500 SE 37 <sup>th</sup> 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)  
Specific target organ toxicity-single exposure (Category 3)  
Chronic aquatic toxicity (Category 3)

#### **Hazard Statement(s):**

WARNING! H319-Causes serious eye irritation, H335-May cause respiratory irritation,  
H412-Harmful to aquatic life with long lasting effects



#### **Precautionary Statement(s) Prevention:**

P210: Keep away from heat, P220: Keep/store away from clothing/combustible materials, P221: Take any precaution to avoid mixing with combustibles, P261: Avoid breathing gas/mix/vapors/spray. P264: Wash skin thoroughly after handling, P271: Use only in a well-ventilated area, P273: Avoid release to the environment, P280: Wear protective gloves/eye protection/face protection.

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### Precautionary Statement(s) Response:

P304+P340: IF INHALED, remove victim to fresh air and keep at rest in a position comfortable for breathing. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312: Call a POISON CENTER or doctor/physician if you feel unwell. P337+P313: If eye irritation persists: Get medical advice/attention. P370+P378: In case of fire: Use water spray or water fog for extinction.

### Precautionary Statement(s) for Storage:

P403+P233: Store in a well-ventilated place. Keep container tightly closed.

P405: Store locked up

### Precautionary Statement(s) Disposal:

P501- Dispose of container to recycling after rinsing.

## Section 3: Composition/Information on Ingredients

CAS Number	Material or component	Avg % weight
7722-84-1	Hydrogen Peroxide	<=7%
7732-18-5	Water	>=93%

## Section 4: First Aid Measures

**Eyes:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**Skin:** In case of contact, immediately flush skin with plenty of water. Wash clothing before reuse. Remove contaminated clothing and shoes, Thoroughly clean shoes before reuse.

**Inhalation:** If inhaled, remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Ingestion:** if swallowed, DO NOT induce vomiting. Get medical attention. Never give anything by mouth to an unconscious person.

**Notes to physician:** Exposure to material may cause delayed lung injury resulting in pulmonary edema and pneumonitis. Exposed individuals should be monitored for 72 hours after exposure for the onset of delayed respiratory symptoms.

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### Section 5: Fire Fighting Measures

<b>Extinguishing media:</b>	Water spray, water fog.
<b>Protective equipment and precautions for firefighters:</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Oxidizing material. In case of major fire and large quantities, evacuate area. Fight fire remotely due to risk of explosion. Decomposition will release oxygen, which will intensify fire. Cool closed containers exposed to fire with water spray. Closed containers of this material may explode when subjected to heat from surrounding fire. Do not allow run-off from fire-fighting to enter drains or water courses.
<b>Unusual fire and explosion hazards:</b>	Explosive when mixed with combustible material. Avoid breathing fumes from fire exposed material.

### Section 6: Accidental Release Measures

<b>Personal Precautions:</b>	Use personal protective equipment recommended in Section 8
<b>Environmental Precautions:</b>	Prevent further leakage or spillage if safe to do so. Keep spills away from storm drains, surface water, and soil.
<b>Clean-up Procedures:</b>	Contain and collect spillage with non-combustible absorbent material such as clean sand, earth, or non-acidic clay. Place into suitable properly labeled containers for prompt disposal.
<b>Caution:</b>	Ventilate the area. Eliminate all ignition sources. Avoid contact with cellulose paper, sawdust, or similar substances. Combustible materials exposed to hydrogen peroxide should be rinsed immediately with large amounts of water.

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### Section 7: Handling and Storage

**Handling:** Avoid breathing vapor or mist. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Wear protective gloves, protective clothing, and eye/face protection. Use only with adequate ventilation. Prevent product contamination, and keep in original container. **DO NOT CUT, DRILL, GRIND, OR WELD ON OR NEAR THIS CONTAINER.** Emptied container retains vapor and product residue.

**Storage:** Store in tightly closed container when not in use. Do not store in sunlight. Store in cool, dry, well ventilated area away from ignition sources such as flame, sparks, or static electricity. Store away from combustibles and incompatible materials. Refer to National Fire Protection Association (NFPA) 430 Code for the storage of solid and liquid oxidizers.

**Storage incompatibility:** Store separately from acids, alkaline products, reducing agents, combustibles, and organic materials.

### Section 8: Exposure Controls/Personal Protection

#### Ingredient Exposure Limits

Hydrogen Peroxide

#### OSHA PEL

1 ppm

#### ACGIH TLV

1 ppm

#### Personal Protection

**Eyes:** Wear chemical goggles. Face-shield.

**Skin:** Wear suitable protective clothing. Use impervious gloves.

**Respiratory Protection:** Respiratory protection not normally needed if used in well ventilated area. Avoid breathing vapor of mist.

#### 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

<b>Form and Appearance:</b>	Clear liquid	<b>Odor:</b>	Pungent
<b>Vapor Pressure:</b>	28 mmHg (86°F)	<b>Odor Threshold:</b>	N/D
<b>Vapor Density (Air=1):</b>	1	<b>pH:</b>	N/D
<b>Specific Gravity:</b>	1.02	<b>Melting/Freezing Point:</b>	9-21°F (-13- -6°C)
<b>Solubility in Water:</b>	Complete	<b>Initial Boiling Point:</b>	Near Water
<b>Flash Point:</b>	N/A	<b>Evaporation Rate:</b>	N/D. Similar to water
<b>Flammability:</b>	Will not burn	<b>UEL/LEL:</b>	N/A
<b>N-octanol/Water Partition Coefficient:</b>	log POW= -1.57	<b>Auto Ignition Temperature:</b>	N/A
<b>Decomposition Temperature:</b>	N/A	<b>Viscosity:</b>	N/D
<b>% Volatile (w/w):</b>	100%		

### Section 10: Stability and Reactivity

<b>Chemical Stability:</b>	This is a stable material under normal and anticipated storage and handling conditions.
<b>Hazardous Decomposition Products:</b>	Material decomposes if contaminated, or oxygen can be liberated at temperatures above ambient.
<b>Conditions to avoid:</b>	Material decomposes with the potential to rupture if in unvented closed containers.
<b>Materials to avoid:</b>	Metals, organic materials, reducing agents, alkaline materials, metallic oxides, dust, and combustible materials.
<b>Hazardous Polymerization:</b>	Will not occur

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### Section 11: Toxicological Information

Acute oral toxicity:	No deaths occurred. LD0 (Rat) 5,000 mg/kg
Acute dermal toxicity:	May be harmful in contact with skin. (Rat and rabbit) LD50 > 2,000 mg/kg.
Acute inhalation toxicity:	No deaths occurred. (Rat) 4 h LD0 > 0.17 mg/L. May cause respiratory irritation.
Skin corrosion/irritation:	Not irritating. (Rabbit)
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) Flathead minnow: 16.4 mg/L. EC50 (48 hr) Water flea: 2.4 mg/L. ErC50 (72 hr) Skeletonema costatum: 1.38 mg/L
Persistence/Degradability:	This product is readily biodegradable.
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: Dilution with water is the preferred method of disposal. Dispose in accordance with all applicable regulations. All wastes must be handled in accordance with local, state and federal regulations. Regulations vary. Take appropriate measures to prevent release to the environment.

Disposal of packaging: Empty containers should be rinsed and recycled.

### Section 14: Transport Regulations

#### US Department of Transportation:

UN Number:	Not a DOT regulated material.
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 Title III- Section 302 Extremely Hazardous Chemicals:

<u>Chemical Name</u>	<u>CAS No.</u>	<u>SARA Reportable and Threshold Planning Quantity</u>
Hydrogen Peroxide	772-84-1	1000 lbs

#### SARA Title III- 311/312 Hazardous Categorization

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

#### SARA Title III- Section 313 Toxic Chemicals:

This material does not contain any chemical components with known CAS numbers that exceed the threshold reporting levels established by SARA Title III, Section 313.

#### 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

This information relates to this specific material. It may not be valid for this material if used in combination with any other materials or in any process. Ryko Solutions, Inc. makes no

MSDS# 15419-157  
Rev. - ECO: 9999-9IF



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