

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: H2O Solutions Stingray Low pH Enhancer

PRODUCT USE: Car wash

MANUFACTURED FOR: H2O Solutions LLC.
PO Box 1776
Mt. Juliet, TN 37121-1775

INFORMATION PHONE: 615-714-5240

EMERGENCY PHONE: INFOTRAC
1-800-535-5053 USA & Canada
352-323-3500 International

SECTION 2 - HAZARD(S) IDENTIFICATION

CLASSIFICATION: Acute Toxicity - Oral: Category 3
Skin Corrosion: Category 1A
Aquatic Hazard - Long-term: Category 3

PICTOGRAMS:



GHS ELEMENTS:

SIGNAL WORD: Danger

HAZARD STATEMENT(S): H301 | Toxic if swallowed.
H314 | Causes severe skin burns and eye damage.
H412 | Harmful to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENT(S): P260 | Do not breathe dust/fume/gas/mist/vapours/spray.
P264 | Wash any exposed body parts thoroughly after handling.
P270 | Do not eat, drink or smoke when using this product.
P273 | Avoid release to the environment.
P280 | Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P310 | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P301 + P330 + P331 | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 | IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
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.
P310 | Immediately call a POISON CENTER or doctor/physician.
P321 | Specific treatment (see supplemental first aid instruction on this label if immediate administration of antidote/specific measures/cleansing

agent/immediate measures is/are appropriate/required).

P330 | Rinse mouth.

P405 | Store locked up.

P501 | Dispose of contents/container to appropriate waste disposal entity in accordance with local/regional/national/international regulation.

ADDITIONAL PRECAUTIONS:

None Known

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENT	CAS #	PERCENT
Sulfuric Acid	7664-93-9	10 - 20%
Phosphoric Acid	7664-38-2	10 - 20%
2-Butoxyethanol	111-76-2	< 1.0%
Dye Basic Violet 10	81-88-9	< 1.0%
Nonylphenol ethoxylate	127087-87-0	< 1.0%

The chemical identity of some or all components is confidential business information (trade secret) and is being withheld as permitted by 29CFR19191200 (i). No other ingredients know to be hazardous.

SECTION 4 - FIRST AID MEASURES

EYES:	Check for and remove contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.
SKIN:	Wash skin surfaces thoroughly after contact. Wash clothing and clean shoes thoroughly before reuse. Get medical attention if irritation develops.
INHALATION:	Move exposed person to fresh air. If breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen clothing. Get medical attention immediately.
INGESTION:	Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.
GENERAL:	Physicians: No specific treatment. Treat symptomatically. Contact poison treatment specialist if large quantities have been inhaled or ingested.

See Section 11 for exposure symptoms.

SECTION 5 - FIRE FIGHTING MEASURES

FLAMMABILITY:	In a fire or if heated, a pressure increase will occur and the container may burst.
EXTINGUISHING MEDIA:	Use an extinguishing agent suitable for the surrounding fire.
PROTECTIVE EQUIPMENT:	Fire-fighters should wear appropriate protective equipment and self-contained

breathing apparatus (SCBA) with full face-piece operated in positive pressure mode.

ADDITIONAL INFORMATION:

Thermal decomposition products-carbon monoxide, sulfur oxides, metal oxide/oxides, halogenated compounds.

SECTION 6 - ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS:**

No action should be taken involving individual risk or without suitable training. Isolate area. Avoid contact with material. Do not breathe vapors. Provide adequate ventilation. Wear proper personal protective equipment.

ENVIRONMENTAL:

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform relevant authorities if the product reaches sewers, waterways or soil.

CONTAINMENT/CLEANUP:

Stop leak if without risk. Move containers from spill area. Contain or absorb with inert dry material. Dispose of according to local regulations. See Section 1 for emergency contact information and 13 for waste disposal.

SECTION 7 - HANDLING AND STORAGE**SAFE HANDLING:**

Wear appropriate personal protective equipment (see Section 8). Eating drinking and smoking should be prohibited. Do not get into eyes or on skin. Do not ingest. Keep containers tightly closed. Do not reuse container.

SAFE STORAGE:

Store in accordance with local regulations. Store in original container away from foods, drink and incompatible materials. Keep container tightly closed. Do not store unlabeled. Use appropriate containment.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION**ENGINEERING CONTROLS:**

Apply technical measures to comply with occupational exposure limits. Mechanical ventilation, eye-wash stations, showers where necessary.

EYE PROTECTION:

Safety eye-wear/face shield complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

RESPIRATORY PROTECTION:

Use a properly fitted air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates necessity. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product & the safe working limits of the chosen respirator.

HAND PROTECTION:

Chemical resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

SKIN PROTECTION:

Personal protective equipment for the body should be selected based on the task

Safety Data Sheet

H2O Solutions Stingray Low pH Enhancer

Page 4 of 7

Version: 1.0021

Revision Date: 02/28/2019

Print Date: 03/29/2019

being performed and the risks involved and should be approved by a specialist before handling this product.

COMPONENT	ACGIH TWA ppm	OSHA/NIOSH STEL ppm	OSHA/ACGIH STEL mg/m3
Sulfuric Acid	None	None	0.20
Phosphoric Acid	1.00	3.00	1.00
2-Butoxyethanol	20.00	None	None
Dye Basic Violet 10	None	None	None
Nonylphenol ethoxylate	None	None	None

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid	UPPER EXPLOSIVE LIMITS:	NA
COLOR:	Pink	LOWER EXPLOSIVE LIMITS:	NA
ODOR:	Pungent	VAPOR PRESSURE:	NA
ODOR THRESHOLD:	NA	VAPOR DENSITY:	NA
PH:	02.1 - 04.0	RELATIVE DENSITY:	0.00
MELTING POINT:	NA	SOLUBILITY:	NA
FREEZING POINT:	0.00 F	PARTITION COEFFICIENT:	NA
BOILING POINT:	0	AUTO-IGNITION TEMPERATURE:	NA
FLASH POINT:	NA	DECOMPOSITION TEMPERATURE:	NA
EVAPORATION RATE:	NA	SPECIFIC GRAVITY:	NA
FLAMMABILITY:	NA	% VOLATILE:	0.00000
		VISCOSITY (cst):	0.00

SECTION 10 - STABILITY AND REACTIVITY

REACTIVITY:	HAZARDOUS DECOMPOSITION PRODUCTS
CHEMICAL STABILITY:	Stable under normal conditions.
POSSIBILITY OF HAZARDOUS REACTIONS:	Reactive with metals.
CONDITIONS TO AVOID:	Avoid heat and open flames.
INCOMPATIBLE MATERIALS:	STRONG OXIDIZERS, ALKALIS - react with metals producing flammable hydrogen gas which can form explosive mixtures with air.

HAZARDOUS
DECOMPOSITION PRODUCTS:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11 - TOXICOLOGICAL INFORMATION

ROUTES OF ENTRY: Inhalation X Absorption X Ingestion

ACUTE EXPOSURE HAZARDS:

EYE CONTACT: Severe eye irritation, burns.
DERMAL: Skin irritation, can cause burns with contact.
ORAL: Corrosive to mucous membranes.
INHALATION: MIST MAY BE MILD TO STRONG IRRITANT, CORROSIVE.

Sulfuric Acid (CAS No. 7664-93-9)

Oral LD50: Mosquito Fish 42 mg/L 96h

2-Butoxyethanol (CAS No. 111-76-2)

Oral LD50: Rat 470 mg/kg

Nonylphenol ethoxylate (CAS No. 127087-87-0)

Oral LD50: Rat 1600 mg/kg

SECTION 12 - ECOLOGICAL INFORMATION

ECOTOXICITY: No data available.

PERSISTENCE & DEGRADABILITY: No data available.

BIOACCUMULATIVE POTENTIAL: No data available.

MOBILITY IN SOIL: No data available.

OTHER ADVERSE EFFECTS: No data available.

2-Butoxyethanol (CAS No. 111-76-2)

Crustacean LC50: Daphnia 1818 mg/L 24h

SECTION 13 - DISPOSAL CONSIDERATION

Material that cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. Processing, use or contamination of the product may change the waste management options. Waste generators must decide if discarded material is a hazardous waste. State and local disposal regulations may differ from federal disposal definitions. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION 14 - TRANSPORT INFORMATION

DOT (US)

UN NUMBER: UN1760
 SHIPPING NAME: Corrosive Liquids, N.O.S.
 TECHNICAL NAME: (Sulfuric Acid, Phosphoric Acid)
 HAZARD CLASS: 8
 PACKAGING GROUP: II

SECTION 15 - REGULATORY INFORMATION

SARA 313 COMPONENTS	CAS NO.	% LESS THAN
Sulfuric Acid	7664-93-9	10 - 20%
2-Butoxyethanol	111-76-2	< 1.0%
CALIFORNIA PROP. 65 COMPONENTS	CAS NO.	% LESS THAN

SECTION 16 - OTHER INFORMATION

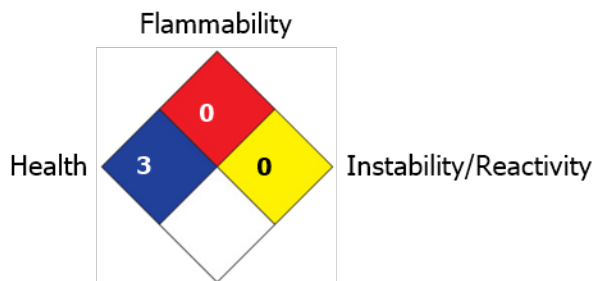
HAZARDOUS MATERIAL INFORMATION SYSTEM (U.S.A.)

Health Hazard	3
Fire Hazard	0
Reactivity	0
Personal Protection	D

Caution: HMIS ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks and 4 representing significant hazards or risks.

- A Safety Glasses
- B Safety Glasses, Gloves
- C Safety Glasses, Gloves, Apron
- D Face Shield, Gloves, Apron
- E Safety Glasses, Gloves, Dust Respirator
- F Safety Glasses, Gloves, Apron, Dust Respirator
- G Safety Glasses, Gloves, Vapor Respirator
- H Splash Goggles, Gloves, Apron, Dust & Vapor Respirator
- I Safety Glasses, Gloves, Dust & Vapor Respirator
- J Splash Goggles, Gloves, Apron, Dust & Vapor Respirator
- K Airline Hood or Mask, Gloves, Full Suit, Boots
- X Consult your supervisor for special handling directions

NATIONAL FIRE PROTECTION ASSOCIATION (U.S.A.)



Safety Data Sheet

H2O Solutions Stingray Low pH Enhancer

Page 7 of 7

Version: 1.0021

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Special

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In all cases, it is the responsibility of the user to determine the applicability of such information and recommendations and the suitability of any product for its own particular purpose. All materials may represent unknown hazards and should be used with caution.