

2.2. Label elements

## SAFETY DATA SHEET

according to DENR Administrative order N°2015-09 and GHS

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# AquaPrime® Trigger

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SECTION 1: Identification	of the substance/mixture and of the company/undertaking
1.1. Product identifier	
Product name	AquaPrime® Trigger
Product code	480018, 380018
1.2. Relevant identified uses o	f the substance or mixture and uses advised against
Product Use	[SU3] Industrial uses: Uses of substances as such or in preparations at industrial sites; [PC20] Products such as pH-regulators, flocculants, precipitants, neutralization agents;
Description	pH-regulating agents.
1.3. Details of the supplier of the	ne safety data sheet
Company name	Neogen Corporation
Address	620 Lesher Place Lansing MI 48912 USA
Web	www.neogen.com
Telephone number	517-372-9200/800-234-5333
Email	SDS@neogen.com
1.4. Emergency telephone nur	nber
	24 hours:  Medical: 1-800-498-5743 (U.S. and Canada) or 1-651-523-0318 (international)  Spill/CHEMTREC: 1-800-424-9300 (U.S. and Canada) or 1-703-527-3887 (international)
Further information	
	Manufactured By:. Preserve International 944 Nandino Blvd. Lexington, KY 40511-1205 U.S.A.
	Preserve International is a wholly-owned subsidiary of Neogen Corporation.
SECTION 2: Hazards ident	ification
2.1. Classification of the subst	ance or mixture
2.1.2. Classification - GHS	Skin Corr. 1B: H314;

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## 2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.
Precautionary Statement:	P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
Prevention	P264 - Wash thoroughly after handling.
	P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement:	P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
Response	P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
	P304+P340 - IF INHALED: Remove person to fresh air and keep 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/doctor/ .
	P363 - Wash contaminated clothing before reuse.
Precautionary Statement:	P501 - Dispose of contents/container to an approved hazardous/special waste disposal facility in
Disposal	accordance with local and national regulations
2.3. Other hazards	
Other hazards	Contains material(s) which may. be harmful if inhaled.

## SECTION 3: Composition/information on ingredients

## 3.2. Mixtures

### EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification
Sulfuric acid		7664-93-9	231-639-5		30 - 40%	Skin Corr. 1B: H314;
Hydrochloric acid (Hydrogen chloride)		7647-01-0	231-595-7		1 - 10%	Skin Corr. 1B: H314; Acute Tox. 3: H331;

### Description

	Concentrations listed are not product specifications.	
Further information		
	Full text of Hazard Statements listed in this Section is provided in Section 16.	

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

Inhalation	Move the exposed person to fresh air. Immediate medical attention is required. If unconscious, check for breathing and apply artificial respiration if necessary. If breathing is difficult give oxygen. If breathing stops, provide artificial respiration.	
Eye contact	Remove the affected person from the source of contamination immediately. Hold eye open and rinse slowly and gently with water for 15-20 minutes. Contact lenses should be removed. Immediate medical attention is required.	
Skin contact	Remove the affected person from the source of contamination immediately. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of soap and	

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4.1. Description of first aid measure	res			
	water. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Immediate medical attention is required.			
	Rinse mouth thoroughly. Do not induce vomiting unless told to do so by the poison control center or doctor. Probable mucosal damage may contraindicate the use of gastric lavage. Never give anything by mouth to an unconscious person. Immediate medical attention is required.			
4.2. Most important symptoms and	d effects, both acute and delayed			
	Corrosive to the respiratory tract. Causes burns. In severe cases, may cause loss of consciousness. May cause irritation to mucous membranes. May cause dizziness and headache.			
Eye contact	Risk of serious damage to eyes. Causes severe inflammation and may damage the cornea.  Danger of very serious irreversible effects.			
	Corrosive to living tissue. Causes skin burns. Danger of very serious irreversible effects.			
Ingestion	Corrosive to living tissue. Causes severe burns. Danger of very serious irreversible effects.  Ingestion may cause nausea and vomiting.			
4.3. Indication of any immediate m	edical attention and special treatment needed			
t	Remove the affected person from the source of contamination immediately. Transfer to hospital if there are burns or symptoms of poisoning. Immediate medical attention is required. If medical advice is needed, have product container or label at hand.			
SECTION 5: Firefighting meas	eures			
5.1. Extinguishing media				
l	Use extinguishing media appropriate to the surrounding fire conditions.			
5.2. Special hazards arising from the substance or mixture				
(	Corrosive. Do not breathe vapour or spray mist.			
5.3. Advice for firefighters				
	In case of fire and/or explosion do not breathe fumes. Do not breathe vapour or spray mist. Wear: Self-contained breathing apparatus, Protective equipment.			
SECTION 6: Accidental release	e measures			
6.1. Personal precautions, protecti	ve equipment and emergency procedures			
, t	In the case of cleanup following a spill, wear protective clothing and appropriate equipment to prevent exposure of skin and eyes and to prevent ingestion or inhalation. Ensure adequate ventilation of the working area. Keep personnel away from spill. Avoid contact with eyes and skin. Avoid prolonged or repeated exposure. Keep away from incompatible materials.			
6.2. Environmental precautions				
	Prevent further spillage if safe. Clean spillage area thoroughly with plenty of water. Do not flush into surface water. Do not let product contaminate subsoil.			
6.3. Methods and material for cont	6.3. Methods and material for containment and cleaning up			
	Absorb with inert, absorbent material. Collect spillage. Transfer to suitable, labelled containers for disposal. Dispose of this material and its container to hazardous or special waste collection point. Clean spillage area thoroughly with plenty of water. Do not contaminate water by cleaning of equipment or disposal of wastes.			
6.4. Reference to other sections				
	See Section(s) 2, 8, and 13 for further information.			
SECTION 7: Handling and stor	rage			

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## 7.1. Precautions for safe handling

Adopt best Manual Handling considerations when handling, carrying and dispensing. Handle and open container with care. Do not breathe vapour or spray mist. Ensure adequate ventilation of the working area. In case of insufficient ventilation, wear suitable respiratory equipment. Causes eye damage and skin damage. Wear chemical protective clothing. Wear goggles or face shield and rubber gloves when handling this product. Wash the outside of gloves before removing them. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Contaminated work clothing should not be allowed out of the workplace. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not eat, drink or smoke in areas where this product is used or stored. Read the entire label and follow all use directions, restrictions, and precautions.

## 7.2. Conditions for safe storage, including any incompatibilities

Store in original container in a cool, dry place inaccessible to children and pets. Keep container tightly closed. Do not contaminate water, food, or feed by storage or disposal. Keep containers closed and away from other chemicals. Do not store with incompatible substances or mixtures. Follow label instructions.

### 7.3. Specific end use(s)

See Section(s) 1.2 for further information.

### **Further information**

Refer to product label and/or package insert for additional information.

### SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

### 8.1.1. Exposure Limit Values

Hydrochloric acid (Hydrogen chloride)	ACGIH TLV TWA: -	ACGIH TLV STEL: C 2 ppm	
,	Notations: A4	OSHA PEL 8hr TWA ppm: (C)5	
	OSHA PEL 8hr TWA mg m3: (C)7	Skin Designation: -	
Sulfuric acid	ACGIH TLV TWA: 0.2 mg/m³ (T)	ACGIH TLV STEL: -	
	Notations: A2 (M)	OSHA PEL 8hr TWA ppm: -	
	OSHA PEL 8hr TWA mg m3: 1	Skin Designation: -	

### 8.2. Exposure controls







Wear chemical protective clothing. Do not breathe dust or vapour.



# 8.2.1. Appropriate engineering controls

8.2.2. Individual protection measures

Eye / face protection

Skin protection - Other

Skin protection - Handprotection

Ensure adequate ventilation of the working area. Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects.

Wear: Chemical safety goggles, Face shield.

Wear: Chemical resistant gloves. Wash the outside of gloves before removing them. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

After contact with skin, wash immediately with plenty of soap and water. Wear suitable protective

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8.2. Exposure controls

	clothing, gloves and eye/face protection.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
Occupational exposure	Exposure above the recommended occupational exposure limit (OEL) may cause adverse health
controls	effects. Provide chemical shower. Provide eye wash station.
	Protect clothing from contact with the product. Contaminated work clothing should not be allowed
	out of the workplace. Avoid contamination of food or feedstuffs.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance	Liquid/Viscous liquid.
Colour	Clear
Odour	Odourless/Slight
Odour threshold	No data available
pH	No data available
Melting point	No data available
Freezing Point	No data available
Initial boiling point	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	Not applicable.
Vapour pressure	No data available
Vapour density	No data available
Relative density	No data available
Partition coefficient	No data available
Autoignition temperature	No data available
Viscosity	No data available
Explosive properties	Not applicable.
Oxidising properties	No data available
Solubility	Soluble in water

## 9.2. Other information

Conductivity	No data available
Surface tension	No data available
Gas group	Not applicable.
Benzene Content	No data available
Lead content	No data available
VOC (Volatile organic	
compounds)	

## SECTION 10: Stability and reactivity

		_				
1(	1 (	R	ea.	ctiv	vitv.	

	Stable under normal conditions.		
10.2. Chemical stability			
	Stable under normal conditions.		

## 10.3. Possibility of hazardous reactions

Under the specified conditions, hazardous reactions that lead to excessive temperatures or

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10.3. Possibility of hazardous re	actions	
	pressure are not expected.	
10.4. Conditions to avoid		
	Keep away from extreme temperatures. Keep away from incompatible materials.	
10.5. Incompatible materials		
	Keep away from alkali metals, Amines., Strong bases.	
10.6. Hazardous decomposition	• • • •	
	Carbon oxides. Sulphur oxides.	
050510N 44 T : 1 : 1		
SECTION 11: Toxicological		
11.1. Information on toxicologica	al effects	
Acute toxicity	Based on available data, the classification criteria are not met. However, this product does contain substance(s) that are classified as hazardous. For more information, see Section 3.	
Skin corrosion/irritation	Corrosive to living tissue. Causes burns. Possible risk of irreversible effects.	
Serious eye damage/irritation	Causes severe burns. Causes severe inflammation and may damage the cornea. Possible risk of irreversible effects.	
Respiratory or skin sensitisation	May cause allergic reactions in susceptible people.	
Germ cell mutagenicity	No mutagenic effects reported.	
Reproductive toxicity	No teratogenic effects reported.	
STOT-single exposure	May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause oral mucosal irritation.	
STOT-repeated exposure	Components(s) may cause damage to human organs based on animal data.	
Aspiration hazard	No Significant Hazard.	
Repeated or prolonged exposure	Avoid prolonged or repeated exposure. Exposure above the recommended occupational exposure limit (OEL) may cause adverse health effects. Delayed appearance of the complaints and development of hypersensitivity (difficult breathing, coughing, asthma) are possible.	
11.1.2. Mixtures		
	See Section(s) 3 for further information.	
11.1.3. Hazard Information		
	See Section(s) 2 and 3 for further information.	
11.1.4. Toxicological Information		
THE TOXIOOIOGICAL INFORMACION	No data available	
11.1.5. Hazard Class	1 110 data available	
11.1.3. Hazaru Olass	See Section(s) 2 and 4 for further information	
44.4.6. Classification Oritaria	See Section(s) 2 and 4 for further information.	
11.1.6. Classification Criteria	I	
	Based on the Globally Harmonised System (GHS) considerations for the classification of mixtures. See Section 15 for regulatory citations.	
11.1.7. Information on likely rout	tes of exposure	
	Eye contact. Skin contact. Inhalation. Ingestion.	
11.1.8. Symptoms related to the physical, chemical and toxicological characteristics		
	See Section(s) 4.2 for further information.	

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11.1.9. Delayed and immediate	effects as well as chronic effects from short and long-term exposure
	See Section(s) 4.2 for further information.
11.1.10. Interactive effects	
	No data available.
11.1.11. Absence of specific dat	a
	<1% of this mixture consists of ingredients of unknown acute toxicity.
11.1.12. Mixture versus substan	ce information
	See Section(s) 3 for further information.
11.1.13. Other information	·
	Caution - substance not yet fully tested.
SECTION 12: Ecological info	prmation
12.1. Toxicity	
<b>y</b>	No data available
12.2. Persistence and degradab	ı
12.2. 1 Orolotorioo aria dogradas	No data is available on this product.
12.3. Bioaccumulative potential	The data is available on this product.
12.0. Bioaccamalative potential	
	No data is available on this product.
Partition coefficient	1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	AquaPrime® Trigger No data available
	Adda minos miggo no data available
12.4. Mobility in soil	
	No data is available on this product.
12.5. Results of PBT and vPvB	assessment
	No data is available on this product.
12.6. Other adverse effects	
	Caution - substance not yet fully tested.
SECTION 13: Disposal cons	iderations
13.1. Waste treatment methods	
	Dispose of contents/container to an approved hazardous/special waste disposal facility in accordance with local and national regulations. Do not discharge effluent containing this product to sewer systems. Follow label instructions.
Disposal methods	1 SONO, SYSTEMS, I ONOW INDEFINITIONS.
	Dispose of contents/container to an approved hazardous/special waste disposal facility in accordance with local and national regulations. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not empty into drains; dispose of this material and its container in a safe way. Do not flush into surface water. Do not let product contaminate subsoil.
Disposal of packaging	
	Nonrefillable container. Do not reuse or refill this container.
	If empty: Do not reuse this container. Place in trash or offer for recycling, if available.

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Disposal of packaging		
	If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain. Empty containers can be sent to landfill after cleaning, if in compliance with local and national regulations. Can be recycled if in compliance with local and national regulations.	
Further information		
	Refer to product label and/or package insert for additional information.	
SECTION 14: Transport info	rmation	
Hazard pictograms		
	B	
14.1. UN number		
	UN2796	
14.2. UN proper shipping name		
	SULPHURIC ACID (Sulfuric acid solution)	
14.3. Transport hazard class(es		
ADR/RID	8	
Subsidiary risk	-	
IMDG	8	
Subsidiary risk	-	
IATA	8	
Subsidiary risk	<u>  -                                   </u>	
14.4. Packing group		
Packing group	11	
14.5. Environmental hazards		
Environmental hazards	No	
Marine pollutant	No	
ADR/RID		
Hazard ID	80	
Tunnel Category	(E)	
IMDG		
EmS Code	F-A S-B	
IATA		
Packing Instruction (Cargo)	855	
Maximum quantity	30 L	
Packing Instruction	851	
(Passenger)		
Maximum quantity	1L	

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### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Regulations

Chemical

Inventories/Right-to-Know Lists:

According to DENR Administrative order N°2015-09 and GHS.

--International--.

Basel Convention (Hazardous Waste): H8.

Chemical Weapons Convention (OPCW): This material contains no reportable components.

Kyoto Protocol Greenhouse Gases: This material contains no reportable components.

Mercosur Agreement: Not applicable.

Montreal Protocol: This material contains no reportable components.

The Rotterdam Convention: This material contains no reportable components. The Stockholm Convention: This material contains no reportable components.

--Asia and the ASEAN Nations--.

Catalog of Hazardous Chemicals (China): [1302, Sulfuric acid, CAS No. 7664-93-9], [2507, Hydrochloric acid (Hydrogen chloride), CAS No. 7647-01-0].

Regulation of Minister of Trade of the Republic of Indonesia, Number 75, Year 2014, regarding The Second Amendment of Minister of Trade, Number 44, Year 2009, Regarding Provision,

Distribution, and Control of Hazardous Substances: Usable hazardous and toxic material, [Sulfuric acid, CAS No. 7664-93-9], [Hydrochloric acid (Hydrogen chloride), CAS No. 7647-01-0].

Chemical Substances Control Law (Japan): Air Pollution Control Law (Japan): [], Water Pollution Control Law (Japan): [], [Hydrochloric acid (Hydrogen chloride), CAS No. 7647-01-0].

Industrial Safety and Health Act, Dangerous Substances (Japan): Labeling/Notification required, Group 3 specified substance, [Sulfuric acid, CAS No. 7664-93-9], [Hydrochloric acid (Hydrogen chloride), CAS No. 7647-01-0].

Poisonous and Deleterious Substances Act (Japan): Deleterious, [Sulfuric acid, CAS No. 7664-93-9].

Chemical Substances Subject to Permission (Korea): Accident precaution, Priority Control substance, Toxic substance, [Sulfuric acid, CAS No. 7664-93-9].

Restricted or Prohibited Substances (Korea): This material contains no reportable components. Use and Standards of Exposure of Chemicals Hazardous to Health (USECHH), Regulation 2000 (Malaysia): Schedule I exposure standard, CLASS regulation, [Sulfuric acid, CAS No. 7664-93-9], [Hydrochloric acid (Hydrogen chloride), CAS No. 7647-01-0].

Philippine Inventory of Chemicals and Chemical Substances (PICCS): [CPEC, Table II - Hydrochloric acid (Hydrogen chloride), CAS No. 7647-01-0].

Taiwan Toxic and Concerned Chemical Substances Control Act (TCCSCA): [1/87, Sulfuric acid, CAS No. 7664-93-9].

Hazardous Substances Act (Thailand): This material contains no reportable components. Law on Chemicals (Vietnam): Appendix VI, Appendix VII, [Sulfuric acid, CAS No. 7664-93-9], Annex I, Appendix IV, Appendix V, [Hydrochloric acid (Hydrogen chloride), CAS No. 7647-01-0].

--Australia and New Zealand ---.

Australian Dangerous Goods Code: Class 8.

Australian Inventory of Chemical Substances (AICS): All ingredients listed or exempt. New Zealand Inventory of Chemicals (NZIoC): All ingredients listed or exempt.

--European Union (EU) and the United Kingdom (UK)--.

Authorisation List (Annex XIV of REACH): This material contains no reportable components.

Annex XVII for REACH: This material contains no reportable components.

Article 95 of the Biocidal Products Regulation (BPR): [PT2, Hydrochloric acid (Hydrogen chloride), CAS No. 7647-01-0].

--North America--.

Domestic/Non-Domestic Substances Lists (DSL/NDSL): All ingredients listed or exempt.

Toxic Substances Control Act (TSCA): All ingredients listed or exempt.

Massachusetts Right-to-Know Hazardous Substance List: Sulfuric acid, Hydrochloric acid.

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## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

New Jersey Worker and Community Right to Know Act: Sulfuric acid, Hydrogen chloride.

Pennsylvania Right to Know Law: Sulfuric acid, Hydrochloric acid.

Rhode Island Right-to-Know General Law: Sulfuric acid, Hydrochloric acid.

California Proposition 65: This material contains no reportable components.

### **SECTION 16: Other information**

#### Other information

**Revision**This document differs from the previous version in the following areas:.

- 1 Manufactured By:.
- 2 Other hazards.
- 2 2.1. Classification of the substance or mixture.
- 2 2.1.2. Classification GHS.
- 2 Precautionary Statement: Response.
- 2 Precautionary Statement: Storage.
- 5 5.2. Special hazards arising from the substance or mixture.
- 9 9.1. Information on basic physical and chemical properties (Odour).
- 9 9.2. Other information (Conductivity).
- 9 9.2. Other information (Gas group).
- 9 9.2. Other information (Surface tension).
- 9 9.2. Other information (Benzene Content).
- 9 9.2. Other information (Product Subcategory).
- 9 9.2. Other information (Lead content).
- 12 12.1. Toxicity.
- 15 Labelling.
- 15 Hazard Statement.
- 15 Safety phrases.
- 16 Maximum content of VOC.
- 16 Acronyms.

Acronyms ADR/RID: European Agreements Concerning the International Carriage of Dangerous Goods by

Rail (RID) and by Road (ADR).

CAS No.: Chemical Abstracts Service.

CLASS: Classification, Labelling, and Safety Data Sheet of Hazardous Chemicals Regulation 2013

(Malaysia).

GHS: Globally Harmonized System.

HCS 2012: U.S. Hazard Communication Standard (2012 revision).

IATA: International Air Transport Association.

ICAO: International Civil Aviation Organisation.

IMDG: International Maritime Dangerous Goods.

LD: Lethal dose.

OEL: Occupational exposure limit.

OSHA: U.S. Occupational Safety and Health Administration.

PEL: Permissible Exposure Limit.

REACH: Registration, Evaluation, Authorisation, and Restriction of Chemicals.

STOT: Specific Target Organ Toxicity.

SVHC: Substance of very high concern.

US DOT: United States Department of Transportation.

VOC: Volatile Organic Compound. WEL: Workplace Exposure Limit.

Text of Hazard Statements in Section 3

Skin Corr. 1B: H314 - Causes severe skin burns and eye damage.

Acute Tox. 3: H331 - Toxic if inhaled.

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### Further information

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