



# Ready to Use

Noroxycdiff™

## SAFETY DATA SHEET

### 1. PRODUCT AND COMPANY IDENTIFICATION PRODUCT

NAME: Noroxycdiff™

GENERAL USE: CLEANER, DISINFECTANT, FOOD CONTACT SURFACE SANITIZER, VIRUCIDE\*.

MANUFACTURER: Aqua-EZ Inc. 6100 Wheaton Dr, Atlanta, GA 30336

DATE REVISED: 03/01/2017

This version replaces all previous versions.

### EMERGENCY TELEPHONE NUMBERS

Poison Center call: (800) 222-1222

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

The combined ingredients of this product at their given percentages are not considered hazardous to your health.

READY TO USE - Customer Activated Formula

Chemical Name	CAS#	Wt.%	EC No.	EC Class
Peroxyacetic Acid	79-21-0	0.184	201-186-8	O,Xi;R7;S1/2-3/7-1 4-36/37/39-45-61
Hydrogen Peroxide	7722-84-1	0.853	231-765-0	Xn,R22-41;S1/2-3-17-2 6-28-36/37/39-45

Noroxycdiff's Activated Formula is:

- Non-Corrosive
- Non-Fuming
- Dermally Non-Toxic
- Organic

### Noroxycdiff's Activation Instructions

Activation of Noroxycdiff's occurs by pouring the entire contents of the Noroxycdiff 4 fl. oz. bottle in a gallon of water to achieve a 99:1 mixed ratio and agitating the combined solution for 15 seconds. Noroxycdiff™ is Ready-to-Use post-Activation.

### 3. PHYSICAL AND CHEMICAL PROPERTIES

SCENT: Mild

APPEARANCE: Clear

BOILING POINT: 86°C (187°F) at 630 mm Hg

DENSITY / WEIGHT PER VOLUME: 1.044 g/ml or 8.7 lbs/gal

EVAPORATION RATE: Above 1 (Butyl Acetate = 1)

OXIDIZING PROPERTIES: None

pH: 4.5

SOLUBILITY IN WATER: (% by wt. @ 25°C / 77°F): 100

### 4. TOXICOLOGICAL INFORMATION

TARGET ORGANS: Eyes, skin, nose, throat, lungs

EYE EFFECTS: Moderate, temporary eye irritation

SKIN EFFECTS: Non-irritating

DERMAL LD50: No mortalities or abnormalities > 5000 mg/kg

ORAL LD50: No mortalities or abnormalities > 5000 mg/kg

INHALATION LC50: Inhalation toxicity > 2.01 mg/L

CARCINOGENICITY: No carcinogenic effect in rats or mice.

### HMIS HAZARD RATING

Health 1	Flammability 0	Physical Hazard 0	Personal Protection A
Hazard Index: 0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe			
PERSONAL PROTECTION CODE:			
A=Safety glasses			

### 5. FIRST AID MEASURES

EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing. Call a poison control center or physician for treatment advice.

### 6. FIRE FIGHTING MEASURES

FLAMMABLE LIMITS: Not available

SENSITIVITY TO IMPACT: Not available

SENSITIVITY TO STATIC DISCHARGE: Not available

### FIRE FIGHTING INFORMATION

Suitable extinguishing media: Use media appropriate for the surrounding fire.

Special protective equipment for firefighters: Wear self-contained breathing apparatus for firefighting if necessary.

### NFPA

Health 0 Flammability 0 Reactivity 0

NFPA = National Fire Protection Association

Degree of Hazard Code:

4 = Extreme 3 = High 2 = Moderate 1 = Slight 0 = Insignificant

### 7. ACCIDENTAL RELEASE MEASURES

RELEASE NOTES: Control run off and isolate discharged material for proper disposal.

### 8. HANDLING AND STORAGE

HANDLING: Special ventilation not required.

STORAGE: Store in a cool, dry, well ventilated area. For quality purposes, avoid temperatures above 86° F. higher temperatures will accelerate decomposition resulting in a loss of assay. Do not store in direct sunlight, or near sources of ignition or heat. Use first in, first out storage system.

### 9. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS

Chemical Name	ACGIH TLV	OSHA PEL	ACGIH STEL	ACGIH TWA
Hydrogen Peroxide	1 ppm	1 ppm	15 ppm	10 ppm

#### 10. PERSONAL PROTECTIVE EQUIPMENT

**EYES PROTECTION:** Use approved safety eye wear.

**SKIN PROTECTION:** Wear neoprene or rubber gloves to prevent skin contact if prolonged skin contact is likely.

**PROTECTIVE CLOTHING:** Not required.

**RESPIRATORY PROTECTION:** Protective face mask is recommended.

**GLOVES:** Wear protective gloves.

#### 11. STABILITY AND REACTIVITY

**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** Will not occur

**HAZARDOUS DECOMPOSITION PRODUCTS:** None

#### 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:** This product decomposes naturally. Peracetic acid is completely miscible with water.

Aqueous solutions of peracetic acid hydrolyze to acetic acid and hydrogen peroxide. When this product contacts soil the peracetic acid and hydrogen peroxide are completely decomposed to water, acetic acid and oxygen within 20 minutes. This decomposition is accelerated by the naturally occurring transition metal components in the soil.

#### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Discharge into a suitable treatment system in accordance with local, state and federal governmental agencies.

#### 14. TRANSPORT INFORMATION

**U.S. DEPARTMENT OF TRANSPORTATION (DOT)**

**Domestic (Land, D.O.T.)**

**Proper Shipping Name:** Not regulated (not classified as a Dangerous Goods material)

**Hazard Class:** Not applicable

**UN/NA:** Not applicable

**Packing Group:** Not applicable

**International (Water, I.M.O.)**

**Proper Shipping Name:** Not regulated (not classified as a Dangerous Goods material) **Hazard Class:** Not applicable

**UN/NA:** Not applicable

**Packing Group:** Not applicable

**International (Air, I.C.A.O.)**

**Proper Shipping Name:** Not regulated (not classified as a Dangerous Goods material) **Hazard Class:** Not applicable

**UN/NA:** Not applicable

**Packing Group:** Not applicable

#### 16. Further information

Data for the production of the safety data sheet from the studies available and from the literature. Further information about the characteristics of the product can be found in the product code of practice or in the product brochure .

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

# Concentrated Formula



Noroxycdiff™

## SAFETY DATA SHEET

### 1. Identification

**Product identifier** Noroxycdiff  
**Other means of identification**  
**Product registration number** 10324-214-92089  
**Recommended use** FIFRA Regulated End Use Product  
**Recommended restrictions** (EUP) None known.  
**Manufacturer information**  
**Company name** Aqua-EZ Inc.  
**Address** 6100 Wheaton Dr,  
Atlanta, GA 30336  
**Telephone** 404-381-2022

### Distributor information

PreVasive USA, LLC.  
3643 Explorer Trail  
Oakwood, GA 30566  
United States  
1-855-966-6772

**Emergency phone number** CHEMTREC International: 1-703-527-3887  
**CHEMTREC USA:** 1-800-424-9300

### 2. Hazard(s) identification

**Physical hazards** Flammable liquids Category 4  
Organic peroxides Type F  
**Health hazards** Acute toxicity, oral Category 4  
Skin corrosion/irritation Category 1B  
Serious eye damage/eye irritation Category 1  
Specific target organ toxicity, single exposure Category 3 respiratory tract irritation  
**OSHA defined hazards** Not classified.

### Label elements



**Signal word** Danger  
**Hazard statement** Combustible liquid. Harmful if swallowed. Causes severe skin burns and eye damage. Causes serious eye damage. May cause respiratory irritation.  
**Precautionary statement**  
**Prevention** Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not breathe mist or vapor. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection.  
**Response** If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. Wash contaminated clothing before reuse. In case of fire: Use appropriate media to extinguish.  
**Storage** Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.  
**Disposal** Dispose of contents/container in accordance with local/regional/national/international regulations.

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**Environmental hazards** Hazardous to the aquatic environment, acute hazard Category 1  
Hazardous to the aquatic environment, long-term hazard Category 2  
**Hazard(s) not otherwise classified (HNOC)** Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.  
**Supplemental information** 7% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

### 3. Composition/information on ingredients

#### Mixtures

Chemical name	Common name and synonyms	CAS number	%
Hydrogen Peroxide		7722-84-1	20 - < 30
Acetic Acid		64-19-7	5 - < 10
Peracetic Acid		79-21-0	5 - < 10
Etidronic Acid		2809-21-4	1 - < 3
Sulfuric Acid		7664-93-9	< 1
Other components below reportable levels			50 - < 60

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

### 4. First-aid measures

**Inhalation** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.  
**Skin contact** Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.  
**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.  
**Ingestion** Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.  
**Most important symptoms/effects, acute and delayed** Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. May cause respiratory irritation.  
**Indication of immediate medical attention and special treatment needed** Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.  
**General information** If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

### 5. Fire-fighting measures

**Suitable extinguishing media** Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).  
**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.  
**Specific hazards arising from the chemical** The product is combustible, and heating may generate vapors which may form explosive vapor/air mixtures. During fire, gases hazardous to health may be formed.  
**Special protective equipment and precautions for firefighters** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.  
**Fire fighting equipment/instructions** In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.  
**Specific methods** Use standard firefighting procedures and consider the hazards of other involved materials.  
**General fire hazards** Combustible liquid.

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## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

### Methods and materials for containment and cleaning up

#### TO NEUTRALIZE SPILL:

Add sodium carbonate (soda ash) at a rate of 1-3 pounds for each gallon of concentrated solution.

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. This product is miscible in water.

**Large Spills:** Stop the flow of material, if this is without risk. Use water spray to reduce vapors or divert vapor cloud drift. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Prevent product from entering drains. Following product recovery, flush area with water.

**Small Spills:** Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

#### IF CONTAMINATION OCCURS:

The drum or container may be hot to the touch. Cool the drum with water if possible. Excessive bubbles may be present in the liquid. Move the drum to an outside location or ventilated area to prevent exposure damage. If possible, dilute the concentrated product within the drum or container. Be aware that heat may be generated during this process.

### Environmental precautions

Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. Inform appropriate managerial or supervisory personnel of all environmental releases.

## 7. Handling and storage

### Precautions for safe handling

Keep away from open flames, hot surfaces and sources of ignition. Keep away from clothing and other combustible materials. Keep away from heat, sparks and open flame. Do not breathe mist or vapor. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Do not taste or swallow. When using, do not eat, drink or smoke. Provide adequate ventilation. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices.

### Conditions for safe storage, including any incompatibilities

Store locked up. Keep away from heat, sparks and open flame. Store in a cool, dry place out of direct sunlight. Keep only in the original container. Store in a well-ventilated place. Store away from other materials. Keep in an area equipped with sprinklers. DO NOT allow the concentrated solution to contact any metals other than stainless steel. Preferred materials are plastics such as polypropylene, PVC, polyethylene, Kynar and PTFE. DO NOT allow galvanized metal, copper, iron, steel or brass to come in contact with the concentrated solution. DO NOT place anything into the concentrated drum that is not new in order to avoid contamination and unwanted reaction. DO NOT return unused solution back into the drum. DO NOT store the product in direct sunlight.

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Acetic Acid (CAS 64-19-7)	PEL	25 mg/m3 10 ppm
Hydrogen Peroxide (CAS 7722-84-1)	PEL	1.4 mg/m3
Sulfuric Acid (CAS 7664-93-9)	PEL	1 ppm 1 mg/m3

### US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Acetic Acid (CAS 64-19-7)	STEL	15 ppm	
	TWA	10 ppm	
Hydrogen Peroxide (CAS 7722-84-1)	TWA	1 ppm	
Peracetic Acid (CAS 79-21-0)	STEL	0.4 ppm	Inhalable fraction and vapor.
Sulfuric Acid (CAS 7664-93-9)	TWA	0.2 mg/m3	Thoracic fraction.

### US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
Acetic Acid (CAS 64-19-7)	STEL	37 mg/m3 15 ppm
	TWA	25 mg/m3 10 ppm
Hydrogen Peroxide (CAS 7722-84-1)	TWA	1.4 mg/m3
Sulfuric Acid (CAS 7664-93-9)	TWA	1 ppm 1 mg/m3

### Biological limit values

No biological exposure limits noted for the ingredient(s).

### Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

Wear safety glasses with side shields (or goggles) and a face shield.

#### Skin protection

##### Hand protection

Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

##### Other

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

#### Respiratory protection

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. Chemical respirator with organic vapor cartridge.

#### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

### General hygiene considerations

When using do not smoke. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

## 9. Physical and chemical properties

### Appearance

#### Physical state

Liquid.

#### Form

Liquid.

#### Color

Colorless

#### Odor

Pungent Vinegar

#### Odor threshold

Not available.

#### pH

> 1

#### Melting point/freezing point

Not available.

#### Initial boiling point and boiling range

212 °F (100 °C)

#### Flash point

181.4 °F (83.0 °C)

#### Evaporation rate

Not available.

#### Flammability (solid, gas)

Not applicable.

#### Upper/lower flammability or explosive limits

<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	22 mm Hg @ 25 deg C
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Miscible
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Specific gravity</b>	1.1 @ 25 deg C
<b>VOC (Weight %)</b>	7 % estimated

#### 10. Stability and reactivity

<b>Reactivity</b>	Reacts violently with strong alkaline substances. This product may react with reducing agents.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Do not mix with other chemicals. Contact with incompatible materials.
<b>Incompatible materials</b>	Bases. Strong oxidizing agents. Reducing agents.
<b>Hazardous decomposition products</b>	Toxic gas.

#### 11. Toxicological information

##### Information on likely routes of exposure

<b>Inhalation</b>	May cause irritation to the respiratory system. Prolonged inhalation may be harmful.
<b>Skin contact</b>	Causes severe skin burns.
<b>Eye contact</b>	Causes serious eye damage.
<b>Ingestion</b>	Causes digestive tract burns. Harmful if swallowed.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. May cause respiratory irritation.

##### Information on toxicological effects

<b>Acute toxicity</b>	In high concentrations, vapors are anesthetic and may cause headache, fatigue, dizziness and central nervous system effects. Harmful if swallowed. May cause respiratory irritation.
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Components	Species	Test Results
Acetic Acid (CAS 64-19-7)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	3310 mg/kg
Etidronic Acid (CAS 2809-21-4)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 10000 mg/kg

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Components	Species	Test Results
<b>Oral</b>		
LD50	Rat	3130 mg/kg
Hydrogen Peroxide (CAS 7722-84-1)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 2000 mg/kg
<b>Inhalation</b>		
LC50	Rat	> 170 mg/m <sup>3</sup> , 4 h
<b>Oral</b>		
LD50	Rat	1193 - 1270 mg/kg
Peracetic Acid (CAS 79-21-0)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	1147 mg/kg
<b>Inhalation</b>		
LD50	Mouse	204 mg/m <sup>3</sup> , 4 h
<b>Oral</b>		
LD50	Rat	1656 mg/kg
Sulfuric Acid (CAS 7664-93-9)		
<b>Acute</b>		
<b>Inhalation</b>		
LC50	Rat	375 mg/m <sup>3</sup> , 4 h
<b>Oral</b>		
LD50	Rat	2140 mg/kg
* Estimates for product may be based on additional component data not shown.		
<b>Skin corrosion/irritation</b>	Causes severe skin burns and eye damage.	
<b>Serious eye damage/eye irritation</b>	Causes serious eye damage.	
<b>Respiratory or skin sensitization</b>		
<b>Respiratory sensitization</b>	Not a respiratory sensitizer.	
<b>Skin sensitization</b>	This product is not expected to cause skin sensitization.	
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.	
<b>Carcinogenicity</b>	Risk of cancer cannot be excluded with prolonged exposure. IARC has concluded that "occupational exposure to strong inorganic mists containing sulfuric acid is carcinogenic for humans (Group 1)".	
<b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>		
Hydrogen Peroxide (CAS 7722-84-1)	3 Not classifiable as to carcinogenicity to humans.	
Sulfuric Acid (CAS 7664-93-9)	1 Carcinogenic to humans.	
<b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>		
Not listed.		
<b>US. National Toxicology Program (NTP) Report on Carcinogens</b>		
Sulfuric Acid (CAS 7664-93-9)	Known To Be Human Carcinogen.	
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.	
<b>Specific target organ toxicity - single exposure</b>	May cause respiratory irritation.	
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.	
<b>Aspiration hazard</b>	Not an aspiration hazard.	
<b>Chronic effects</b>	Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.	

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## 12. Ecological information

**Ecotoxicity** Very toxic to aquatic life. Toxic to aquatic life with long lasting effects. Because of the low pH of this product, it would be expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.

Components	Species	Test Results
<b>Acetic Acid (CAS 64-19-7)</b>		
<b>Aquatic</b>		
<i>Acute</i>		
Algae	EC50	Algae > 1000 mg/l, 72 h
Crustacea	EC50	Daphnia > 1000 mg/l, 48 h
Fish	LC50	Oncorhynchus mykiss > 1000 mg/l, 96 h
<i>Chronic</i>		
Algae	NOEC	Algae 13 mg/l, 14 d
Crustacea	NOEC	Daphnia 6.75 mg/l, 28 d
<b>Hydrogen Peroxide (CAS 7722-84-1)</b>		
<b>Aquatic</b>		
<i>Acute</i>		
Algae	EC50	Algae 1.38 mg/l, 72 h
Crustacea	LC50	Daphnia 2.4 mg/l, 48 h
Fish	LC50	Fathead minnow (Pimephales promelas) 16.4 mg/l, 96 h
<i>Chronic</i>		
Crustacea	NOEC	Daphnia 0.63 mg/l, 21 d
<b>Peracetic Acid (CAS 79-21-0)</b>		
<b>Aquatic</b>		
<i>Acute</i>		
Algae	EC50	Algae 0.16 mg/l, 72 h
Crustacea	EC50	Daphnia 0.73 mg/l, 48 h
Fish	LC50	Bluegill (Lepomis macrochirus) 1.1 mg/l, 96 h
<i>Chronic</i>		
Crustacea	NOEC	Daphnia 0.08 mg/l, 21 d
Fish	NOEC	Fish 0.0022 mg/l, 33 d
<b>Sulfuric Acid (CAS 7664-93-9)</b>		
<b>Aquatic</b>		
<i>Acute</i>		
Algae	EC50	Algae > 100 mg/l, 72 h
Crustacea	EC50	Daphnia > 100 mg/l, 48 h
Fish	LC50	Bluegill (Lepomis macrochirus) 16 - 28 mg/l, 96 h
<i>Chronic</i>		
Crustacea	NOEC	Daphnia 0.15 mg/l, 35 d
Fish	NOEC	Fish 0.025 mg/l, 65 d

\* Estimates for product may be based on additional component data not shown.

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential**

## Partition coefficient n-octanol / water (log Kow)

Acetic Acid -0.17

**Mobility in soil** No data available.

**Other adverse effects** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. Disposal considerations

**Disposal instructions** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport information

### DOT

<b>UN number</b>	UN3109
<b>UN proper shipping name</b>	Organic peroxide type F, liquid (Peroxyacetic acid, type F, stabilized)
<b>Transport hazard class(es)</b>	
Class	5.2
Subsidiary risk	8
Label(s)	5.2
<b>Packing group</b>	II
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Special provisions</b>	IP5
<b>Packaging exceptions</b>	152
<b>Packaging non bulk</b>	225
<b>Packaging bulk</b>	225
<b>ERG number</b>	145

### IATA

<b>UN number</b>	UN3109
<b>UN proper shipping name</b>	Organic peroxide type F, liquid (Peroxyacetic acid, type F, stabilized)
<b>Transport hazard class(es)</b>	
Class	5.2
Subsidiary risk	8
<b>Packing group</b>	II
<b>Environmental hazards</b>	No.
<b>ERG Code</b>	5L
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.
<b>Other information</b>	
<b>Passenger and cargo aircraft</b>	Allowed.
<b>Cargo aircraft only</b>	Allowed.

### IMDG

<b>UN number</b>	UN3109
<b>UN proper shipping name</b>	ORGANIC PEROXIDE TYPE F, LIQUID (PEROXYACETIC ACID, TYPE F, STABILIZED)
<b>Transport hazard class(es)</b>	
Class	5.2
Subsidiary risk	8
<b>Packing group</b>	II
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	No.
<b>EMS</b>	F-J, S-R
<b>Special precautions for user</b>	Read safety instructions, SDS and emergency procedures before handling.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not established.

**DOT**



**IATA**



**IMDG**



**Noroxycdiff Concentrate Packaging, Shipping and Storage:**

The specially designed Bottle and Case Configuration utilized for shipping the NOROxyCdiff Concentrate;(4) 4-Ounce Pre-Measured Vented-Cap Bottles, allow PreVasive to ship our product without the necessity of Hazard DOT shipping requirements and is non-flammable. The packaging has a no HAZARD shipping designation due to the small quantity per case and specially designed bottle. Sufficient quantities are not packaged to create a flammable Shipping & Storage characteristic.

**15. Regulatory information**

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Acetic Acid (CAS 64-19-7) Listed.  
 Peracetic Acid (CAS 79-21-0) Listed.  
 Sulfuric Acid (CAS 7664-93-9) Listed.

**SARA 304 Emergency release notification**

Hydrogen Peroxide (CAS 7722-84-1) 1000 LBS  
 Peracetic Acid (CAS 79-21-0) 500 LBS  
 Sulfuric Acid (CAS 7664-93-9) 1000 LBS

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories** Immediate Hazard - Yes  
 Delayed Hazard - No  
 Fire Hazard - Yes  
 Pressure Hazard - No  
 Reactivity Hazard - No

**SARA 302 Extremely hazardous substance**

Chemical name	CAS number	Reportable quantity	Threshold planning quantity	Threshold planning quantity, lower value	Threshold planning quantity, upper value
Hydrogen Peroxide	7722-84-1	1000	1000 lbs		
Peracetic Acid	79-21-0	500	500 lbs		
Sulfuric Acid	7664-93-9	1000	1000 lbs		

**SARA 311/312 Hazardous chemical** No

**SARA 313 (TRI reporting)**

Chemical name	CAS number	% by wt.
Peracetic Acid	79-21-0	5 - < 10
Sulfuric Acid	7664-93-9	< 1

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Not regulated.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Peracetic Acid (CAS 79-21-0)  
 Sulfuric Acid (CAS 7664-93-9)

**Safe Drinking Water Act (SDWA)** Not regulated.

**Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number**

Sulfuric Acid (CAS 7664-93-9) 6552

**Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))**

Sulfuric Acid (CAS 7664-93-9) 20 %WV

**DEA Exempt Chemical Mixtures Code Number**

Sulfuric Acid (CAS 7664-93-9) 6552

**FIFRA Information** This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Listed below is the hazard information as required on the pesticide label.

**Signal word** DANGER  
 KEEP OUT OF REACH OF CHILDREN

**Hazard statement** CORROSIVE. Causes irreversible eye damage and skin burns. Harmful if swallowed. May be fatal if inhaled. Do not get into eyes, on skin or on clothing. Do not breathe vapors or spray mist.

**US state regulations****US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)**

Not listed.

**US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd.****(a)**

Sulfuric Acid (CAS 7664-93-9)

**US. Massachusetts RTK - Substance List**

Acetic Acid (CAS 64-19-7)

Hydrogen Peroxide (CAS 7722-84-1)

Peracetic Acid (CAS 79-21-0)

Sulfuric Acid (CAS 7664-93-9)

**US. New Jersey Worker and Community Right-to-Know Act**

Acetic Acid (CAS 64-19-7)

Hydrogen Peroxide (CAS 7722-84-1)

Peracetic Acid (CAS 79-21-0)

Sulfuric Acid (CAS 7664-93-9)

**US. Pennsylvania Worker and Community Right-to-Know Law**

Acetic Acid (CAS 64-19-7)

Hydrogen Peroxide (CAS 7722-84-1)

Peracetic Acid (CAS 79-21-0)

Sulfuric Acid (CAS 7664-93-9)

**US. Rhode Island RTK**

Acetic Acid (CAS 64-19-7) Hydrogen

Peroxide (CAS 7722-84-1) Peracetic

Acid (CAS 79-21-0) Sulfuric Acid

(CAS 7664-93-9)

**International Inventories**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information, including date of preparation or last revision**

<b>Issue date</b>	05-28-2015
<b>Revision date</b>	06-07-2017
<b>Version #</b>	02
<b>NFPA ratings</b>	Health: 3 Flammability: 2 Instability: 0

**Disclaimer** The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**Revision Information** Accidental release measures: Methods and materials for containment and cleaning up  
Handling and storage: Conditions for safe storage, including any incompatibilities