



# Safety Data Sheet

## Spartan Chemical Company, Inc.

Revision Date: 28-Feb-2023

### 1. PRODUCT AND COMPANY IDENTIFICATION

#### Product Identifier

**Product Name:** PRO-VENTION  
**Product Number:** 3833  
**Recommended Use:** Antimicrobial solution  
**Uses Advised Against:** For Industrial and Institutional Use Only

**Manufacturer/Supplier:** Spartan Chemical Company, Inc.  
1110 Spartan Drive  
Maumee, Ohio 43537 USA  
800-537-8990 (Business hours)  
[www.spartanchemical.com](http://www.spartanchemical.com)

#### 24 Hour Emergency Phone Numbers:

**Medical Emergency/Information:** 888-314-6171  
**Transportation/Spill/Leak:** CHEMTREC 800-424-9300

### 2. HAZARDS IDENTIFICATION

#### GHS Classification

Acute Toxicity - Oral: Category 4  
Skin Corrosion/Irritation: Category 1  
Serious Eye Damage/Eye Irritation: Category 1  
Specific Target Organ Toxicity (Single Exposure): Category 3  
Flammable Liquids: Category 4  
Oxidizing Liquids: Category 3  
Organic Peroxides: Type F  
Corrosive to Metals: Category 1

#### GHS Label Elements

**Signal Word:**

**Symbols:**

**Danger**



**Hazard Statements:**

Harmful if swallowed.  
Causes severe skin burns and serious eye damage.  
May cause respiratory irritation  
Combustible liquid  
Heating may cause a fire  
May intensify fire; oxidizer  
May be corrosive to metals.

**Precautionary Statements:**

**Prevention:**

Wash hands and any exposed skin thoroughly after handling.  
Do not eat, drink or smoke when using this product  
Do not breathe mist, vapors or spray.  
Use only outdoors or in a well-ventilated area  
Wear protective gloves. Wear eye / face protection. Wear protective clothing.

	Keep away from heat/sparks/open flames/hot surfaces. — No smoking Keep away from clothing/combustible materials. Take any precaution to avoid mixing with combustibles . Keep in original or other corrosion resistant container.
<b>Response:</b>	<b>IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.</b>
<b>-Eyes</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>-Skin</b>	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse.
<b>-Inhalation:</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
<b>-Ingestion:</b>	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
<b>-Specific Treatment:</b>	See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.
<b>Fire:</b>	In case of fire: Use dry chemical, CO <sub>2</sub> , water spray or regular foam to extinguish
<b>Spill:</b>	Absorb spillage to prevent material damage.
<b>Storage:</b>	Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool Store at temperatures not exceeding 29 °C/ 85 °F Store away from other materials. Store in corrosion resistant container.
<b>Disposal:</b>	Dispose of contents and container in accordance with local, state and federal regulations.
<b>Hazards Not Otherwise Classified:</b>	Not Applicable
<b>Other Information:</b>	<ul style="list-style-type: none"> <li>• Corrosive</li> <li>• Keep out of reach of children</li> <li>• Keep away from wood, cardboard and other combustible materials.</li> <li>• NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.</li> <li>• Contains hydrogen peroxide. Ingestion may result in distention of esophagus and stomach.</li> </ul>

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Acetic Acid	64-19-7	15-40
Water	7732-18-5	15-40
Peroxyacetic Acid	79-21-0	10-30
Hydrogen Peroxide	7722-84-1	7-13
Etidronic Acid	2809-21-4	0.1-1
Dipicolonic Acid	499-83-2	<0.1

Specific chemical identity and/or exact percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

<b>-Eye Contact:</b>	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.
<b>-Skin Contact:</b>	Take off immediately all contaminated clothing and shoes. Rinse with water or shower for at least 15 minutes. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Wash contaminated clothing before reuse. Discard or destroy contaminated shoes.
<b>-Inhalation:</b>	Remove victim to fresh air and keep at rest in a position comfortable for breathing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.
<b>-Ingestion:</b>	Rinse mouth. Do NOT induce vomiting. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Never give anything by mouth to an unconscious person.
<b>Note to Physicians:</b>	NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Contains hydrogen peroxide. Ingestion may result in distention of esophagus and stomach.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable Extinguishing Media:</b>	Use, Dry chemical, Carbon dioxide, Water spray (fog), Alcohol resistant foam
<b>Unsuitable Extinguishing Media:</b>	Do not use a solid water stream as it may scatter and spread fire.
<b>Specific Hazards Arising from the Chemical:</b>	Combustion products are toxic. Releases oxygen when heated to decomposition which may intensify fire. Some may decompose explosively when heated or involved in a fire. May ignite combustibles (wood paper, oil, clothing, etc.). Containers may explode when heated.
<b>Hazardous Combustion Products:</b>	Carbon monoxide and other toxic gases or vapors. On decomposition product releases oxygen which may intensify fire
<b>Protective Equipment and Precautions for Firefighters:</b>	Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

## 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Remove all sources of ignition. Avoid breathing vapors or mists. Ensure adequate ventilation, especially in confined areas.
<b>Environmental Precautions:</b>	Do not rinse spill onto the ground, into storm sewers or bodies of water.
<b>Methods for Clean-Up:</b>	Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).

## 7. HANDLING AND STORAGE

<b>Advice on Safe Handling:</b>	Handle in accordance with good industrial hygiene and safety practice. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep away from clothing/combustible materials. Do not confine product in unvented containers or between closed valves. Do not return product to original container. Wash thoroughly after handling. Do not breathe the mist, vapors or spray.
<b>Storage Conditions:</b>	Store containers upright and tightly closed using vented closures to prevent pressure build-up. Store in a cool, well ventilated place. Elevated temperatures accelerate product decomposition. Do not confine product in unvented containers or between closed valves. Keep away from flammable substances. Keep out of the reach of children. Do not store near combustible materials. Keep/store only in original container.
<b>Incompatible Materials:</b>	Wood, cardboard or other flammable organic materials. Sodium hypochlorite (or other hypochlorites). Metals.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Occupational Exposure Limits:

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH
Acetic Acid 64-19-7	STEL: 15 ppm TWA: 10 ppm	TWA: 10 ppm TWA: 25 mg/m <sup>3</sup> (vacated) TWA: 10 ppm (vacated) TWA: 25 mg/m <sup>3</sup>	IDLH: 50 ppm TWA: 10 ppm TWA: 25 mg/m <sup>3</sup> STEL: 15 ppm STEL: 37 mg/m <sup>3</sup>
Peroxyacetic Acid 79-21-0	STEL: 0.4 ppm inhalable fraction and vapor	-	-
Hydrogen Peroxide 7722-84-1	TWA: 1 ppm	TWA: 1 ppm TWA: 1.4 mg/m <sup>3</sup> (vacated) TWA: 1 ppm (vacated) TWA: 1.4 mg/m <sup>3</sup>	IDLH: 75 ppm TWA: 1 ppm TWA: 1.4 mg/m <sup>3</sup>

<b>Engineering Controls:</b>	Provide good general ventilation. If work practices generate dust, fumes, gas, vapors or mists which expose workers to chemicals above the occupational exposure limits, local exhaust ventilation or other engineering controls should be considered. Eye wash stations and shower facilities should be readily accessible in areas where the product is handled.
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### Personal Protective Equipment

<b>Eye/Face Protection:</b>	Wear splash goggles. For severe use-conditions, wear a face shield over the goggles.
<b>Skin and Body Protection:</b>	Wear rubber or other chemical-resistant gloves. Use of impervious apron, boots and other

	protective equipment should be considered in order to prevent or minimize contact with this product.
<b>Respiratory Protection:</b>	Not required with expected use. If occupational exposure limits are exceeded or respiratory irritation occurs, use of a NIOSH/MSHA approved respirator suitable for the use-conditions and chemicals in Section 3 should be considered.
<b>General Hygiene Considerations:</b>	Wash hands and any exposed skin thoroughly after handling. See 29 CFR 1910.132-138 for further guidance.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance/Physical State:</b>	Liquid
<b>Color:</b>	Colorless
<b>Odor:</b>	Pungent Vinegar odor
<b>pH:</b>	<2
<b>Melting Point / Freezing Point:</b>	-49 °C / -56 °F
<b>Boiling Point / Boiling Range:</b>	> 77 °C / 171 °F
<b>Flash Point:</b>	77 °C / 171 °F ASTM D56
<b>Evaporation Rate:</b>	> 1 (BuAc = 1)
<b>Flammability (solid, gas)</b>	No information available
<b>Upper Flammability Limit:</b>	No information available
<b>Lower Flammability Limit:</b>	No information available
<b>Vapor Pressure:</b>	No information available
<b>Vapor Density:</b>	No information available
<b>Specific Gravity:</b>	1.139
<b>Solubility(ies):</b>	Miscible in water
<b>Partition Coefficient:</b>	No information available
<b>Autoignition Temperature:</b>	No information available
<b>Decomposition Temperature:</b>	No information available
<b>Viscosity:</b>	No information available

## 10. STABILITY AND REACTIVITY

<b>Reactivity:</b>	This material is considered to be non-reactive under normal conditions of use.
<b>Chemical Stability:</b>	Stable under normal conditions.
<b>Possibility of Hazardous Reactions:</b>	Contact with sodium hypochlorite (or other hypochlorites) releases chlorine gas.
<b>Conditions to Avoid:</b>	Heat, flames and sparks. High temperature accelerates decomposition of product. Use of product in unvented systems (sealed pipes, containers and other confined spaces) risks overpressure and bursting due to decomposition.
<b>Incompatible Materials:</b>	Wood, cardboard or other flammable organic materials. Sodium hypochlorite (or other hypochlorites). Metals.
<b>Hazardous Decomposition Products:</b>	May include carbon monoxide, carbon dioxide (CO <sub>2</sub> ) and other toxic gases or vapors. Releases oxygen when heated to decomposition which may intensify fire.

## 11. TOXICOLOGICAL INFORMATION

<b>Likely Routes of Exposure:</b>	Eyes, Skin, Ingestion, Inhalation.
<b>Symptoms of Exposure:</b>	
<b>-Eye Contact:</b>	Pain, redness, swelling of the conjunctiva and blurred vision.
<b>-Skin Contact:</b>	Pain, redness, blistering and possible chemical burn.
<b>-Inhalation:</b>	Irritation or damage to the mucus membranes of the respiratory tract. Nasal discomfort and coughing.
<b>-Ingestion:</b>	Damage or chemical burns to mouth, throat and stomach. Pain, nausea, vomiting and diarrhea. Contains hydrogen peroxide. Ingestion may result in distention of esophagus and stomach.
<b>Immediate, Delayed, Chronic Effects</b>	
<b>Product Information:</b>	Data not available or insufficient for classification.
<b>Target Organ Effects:</b>	-Eyes. Respiratory System. -Skin. Teeth.
<b>Numerical Measures of Toxicity</b>	
The following acute toxicity estimates (ATE) are calculated based on the GHS document.	

ATEmix (oral): 1099 mg/kg  
 ATEmix (dermal): 2071 mg/kg  
 ATEmix (inhalation-dust/mist): 5.3 mg/l

**Component Acute Toxicity Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Acetic Acid 64-19-7	= 3310 mg/kg ( Rat )	= 1060 mg/kg ( Rabbit )	= 11.4 mg/L ( Rat ) 4 h
Water 7732-18-5	> 90 mL/kg ( Rat )	Not Available	Not Available
Peroxyacetic Acid 79-21-0	= 1540 mg/kg ( Rat )	= 1410 µL/kg ( Rabbit )	Not Available
Hydrogen Peroxide 7722-84-1	= 1518 mg/kg ( Rat )	= 2000 mg/kg ( Rabbit ) = 4060 mg/kg ( Rat )	= 2 g/m <sup>3</sup> ( Rat ) 4 h
Etidronic Acid 2809-21-4	= 3130 mg/kg ( Rat )	> 10000 mg/kg ( Rabbit )	Not Available

**Carcinogenicity:** No components present at 0.1% or greater are listed as to being carcinogens by ACGIH, IARC, NTP or OSHA

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
Acetic Acid 64-19-7	Not Available	79: 96 h Pimephales promelas mg/L LC50 static 75: 96 h Lepomis macrochirus mg/L LC50 static	Not Available	65: 48 h Daphnia magna mg/L EC50 Static
Hydrogen Peroxide 7722-84-1	Not Available	16.4: 96 h Pimephales promelas mg/L LC50 18 - 56: 96 h Lepomis macrochirus mg/L LC50 static 10.0 - 32.0: 96 h Oncorhynchus mykiss mg/L LC50 static	Not Available	18 - 32: 48 h Daphnia magna mg/L EC50 Static
Etidronic Acid 2809-21-4	Not Available	868: 96 h Lepomis macrochirus mg/L LC50 static 360: 96 h Oncorhynchus mykiss mg/L LC50 static	Not Available	527: 48 h Daphnia magna mg/L EC50

**Persistence and Degradability:** No information available.

**Bioaccumulation:** No information available.

**Marine Pollutant:** Yes.

**Other Adverse Effects:** No information available

**13. DISPOSAL CONSIDERATIONS**

**Disposal of Wastes:** Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging:** Dispose of in accordance with federal, state and local regulations.

**US EPA Waste Number:** D001, D002

**14. TRANSPORT INFORMATION**

**DOT:**

**UN/ID No:** UN3109

**Proper Shipping Name:** Organic peroxide type F, liquid (Peroxyacetic acid, type F, stabilized, <18%)

**Hazard Class:** 5.2

<b>Subsidiary Class:</b>	8
<b>Special Provisions:</b>	Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Check with a trained hazardous materials transportation expert for information specific to your situation.
<b>UN/ID No:</b>	UN3109
<b>Proper Shipping Name:</b>	ORGANIC PEROXIDE TYPE F, LIQUID (PEROXYACETIC ACID, TYPE F, STABILIZED, <18%), MARINE POLLUTANT
<b>Hazard Class:</b>	5.2
<b>Subsidiary hazard class</b>	8
<b>Marine Pollutant:</b>	Yes.
<b>Additional information:</b>	According to IMDG Code 2.10.2.7, marine pollutants packed in single or inner packagings with a capacity of not more than 5 L or 5 kg are excluded from marine pollutant marking requirements.

## 15. REGULATORY INFORMATION

### **TSCA Status:** (Toxic Substance Control Act Section 8(b) Inventory)

All chemical substances in this product are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

### **SARA 313**

This product contains the following listed substances:

#### **Peroxyacetic Acid**

CAS No 79-21-0

### **SARA 311/312 Hazard Categories**

<b>Acute Health Hazard:</b>	Yes
<b>Chronic Health Hazard:</b>	No
<b>Fire Hazard:</b>	Yes
<b>Sudden release of pressure hazard:</b>	No
<b>Reactive Hazard:</b>	Yes

### **California Proposition 65**

This product is not subject to warning requirements under California Proposition 65.

## 16. OTHER INFORMATION

<b>NFPA</b>	<b>Health Hazards:</b> 3	<b>Flammability:</b> 3	<b>Instability:</b> 1	<b>Special:</b> OX
<b>HMIS</b>	<b>Health Hazards:</b> 3	<b>Flammability:</b> 2	<b>Physical Hazards:</b> 4	

**Revision Date:** 28-Feb-2023

**Reasons for Revision:** New product

### **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.

**End of Safety Data Sheet**