



Revision Date: 03-Dec-2024

Safety Data Sheet

Spartan Chemical Company, Inc.

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product Name: PROTECT HP CONCENTRATE
Product Code: 1009
Recommended Use: Disinfectant
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

24 Hour Emergency Phone

Numbers:

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

2. HAZARDS IDENTIFICATION

GHS Classification

Skin corrosion/irritation: Category 1 Sub-category B
Serious eye damage/eye irritation: Category 1
Specific target organ toxicity (repeated exposure): Category 1
Corrosive to metals: Category 1

Label elements

Signal word:

Symbols:

Danger



Hazard statements:

Causes severe skin burns and eye damage
Causes damage to organs through prolonged or repeated exposure
May be corrosive to metals

Physical hazards:

Precautionary Statements - Prevention:

Do not breathe dust/fume/gas/mist/vapors/spray
Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/clothing and eye/face protection
Do not eat, drink or smoke when using this product
Keep only in original packaging

Precautionary Statements - Response:

Immediately call a POISON CENTER or doctor/physician

Eyes:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin:

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. Wash contaminated clothing before reuse.

Inhalation:

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Ingestion:	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
-Specific Treatment:	See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.
Spill:	Absorb spillage to prevent material damage
Precautionary Statements - Storage:	Store locked up. Store in corrosion resistant container with a resistant inner liner.
Precautionary Statements - Disposal:	Dispose of contents and container in accordance with local, state and federal regulations.
Hazards not otherwise classified (HNOC):	Not applicable
Other hazards:	• Corrosive • Harmful if swallowed • Harmful contact may not cause immediate pain. • Do not mix with hypochlorite-type bleach or other household chemicals as hazardous vapors or gases may be produced. • Keep out of reach of children • NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
Water	7732-18-5	45-70
Butoxydiglycol	112-34-5	5-10
Hydrogen Peroxide	7722-84-1	5-10
Phosphoric Acid	7664-38-2	3-7
Alkylbenzene Sulfonic Acid	68584-22-5	1-5
Benzoic Acid	65-85-0	1-5
Etidronic Acid	2809-21-4	1-5
Sodium Caprylyl Sulfonate	5324-84-5	1-5
Capryleth-9 Carboxylic Acid	53563-70-5	1-5
Benzyl Alcohol	100-51-6	1-5
Sodium Hexyldiphenyl Ether Sulfonate	147732-60-3	0.1-1
Acrylic Copolymer	PROPRIETARY	0.1-1
Hexeth-4 Carboxylic Acid	105391-15-9	0.1-1
Fragrance	PROPRIETARY	<0.1
Terpineol	8000-41-7	<0.1

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

4. FIRST AID MEASURES

Eye contact:	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.
Skin contact:	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.
Inhalation:	Remove victim to fresh air and keep at rest in a position comfortable for breathing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.
Ingestion:	Rinse mouth. Do NOT induce vomiting. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. Never give anything by mouth to an unconscious person.
Note to physicians:	NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media:	Product does not support combustion. Use extinguishing agent suitable for type of surrounding fire.
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Specific Hazards Arising from the Chemical:	Dried product is capable of burning. Combustion products are toxic. Releases oxygen when heated to decomposition which may intensify fire. Risk of overpressure and bursting due to decomposition in containers, pipes and other confined spaces.
Hazardous Combustion Products:	May include Carbon monoxide Carbon dioxide and other toxic gases or vapors. On decomposition product releases oxygen which may intensify fire
Protective Equipment and Precautions for Firefighters:	Wear MSHA/NIOSH approved self-contained breathing apparatus (SCBA) and full protective gear. Cool fire-exposed containers with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.
Environmental Precautions:	Do not rinse spill onto the ground, into storm sewers or bodies of water.
Methods for cleaning up:	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). Disposal container should not be made of metal. Disposal container must be vented due to possible decomposition and pressure build-up. Do not return spilled product into its original container for re-use due to possible decomposition and pressure build-up.

7. HANDLING AND STORAGE

Advice on safe handling:	Handle in accordance with good industrial hygiene and safety practice. Do not confine product in unvented containers or between closed valves. Wash thoroughly after handling.
Storage Conditions:	Store containers upright and tightly closed using vented closures to prevent pressure build-up. Do not confine product in unvented containers or between closed valves. Keep out of the reach of children.
Incompatible materials	Sodium hypochlorite (or other hypochlorites). Reactive metals such as aluminum, zinc and tin. Metals.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Butoxydiglycol 112-34-5	TWA: 10 ppm inhalable fraction and vapor	-	-
Hydrogen Peroxide 7722-84-1	TWA: 1 ppm	TWA: 1 ppm TWA: 1.4 mg/m ³ (vacated) TWA: 1 ppm (vacated) TWA: 1.4 mg/m ³	IDLH: 75 ppm TWA: 1 ppm TWA: 1.4 mg/m ³
Phosphoric Acid 7664-38-2	STEL: 3 mg/m ³ TWA: 1 mg/m ³	TWA: 1 mg/m ³ (vacated) TWA: 1 mg/m ³ (vacated) STEL: 3 mg/m ³	IDLH: 1000 mg/m ³ TWA: 1 mg/m ³ STEL: 3 mg/m ³

Engineering Controls:	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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Individual protection measures, such as personal protective equipment

Eye/face protection:	Wear splash goggles. For severe use-conditions, wear a face shield over the goggles.
Skin and body protection:	Wear rubber or other chemical-resistant gloves.
Respiratory protection:	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.
General hygiene considerations:	Wash hands and any exposed skin thoroughly after handling. See 29 CFR 1910.132-138 for further guidance.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state:	Liquid
Color:	Clear
Odor:	Mild
Odor Threshold:	No information available

Property	Values	Remarks • Method
pH:	<1.0	
Melting Point / Freezing Point:	No data available	
Boiling Point / Boiling Range:	100 °C / 212 °F	
Flash Point:	> 100 °C / 212 °F	ASTM D56
Evaporation Rate:	< 1	(BuAc = 1)
Flammability (solid, gas):	No data available	No information available
Flammability Limits in Air:		No information available
Upper Flammability Limit:	No data available	
Lower Flammability Limit:	No data available	
Vapor Pressure:	No data available	No information available
Vapor Density:	No data available	No information available
Relative Density:	1.094	
Solubility(ies):	Soluble in water	
Partition Coefficient:	No data available	No information available
Autoignition Temperature:	Not applicable	
Decomposition Temperature:	Not applicable	
Kinematic Viscosity:	No information available	No information available
Particle characteristics:	Not applicable	

10. STABILITY AND REACTIVITY

Reactivity:	This material is considered to be non-reactive under normal conditions of use.
Chemical stability:	Stable under normal conditions.
Possibility of hazardous reactions:	Contact with sodium hypochlorite (or other hypochlorites) releases chlorine gas. Contact with aluminum or other reactive metals may release hydrogen gas.
Conditions to Avoid:	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.
Incompatible materials:	Sodium hypochlorite (or other hypochlorites). Metals.
Hazardous decomposition products:	Releases oxygen when heated to decomposition which may intensify fire.

11. TOXICOLOGICAL INFORMATION

Likely Routes of Exposure:	Eyes, Skin, Ingestion, Inhalation.
Symptoms of Exposure:	
Eye contact:	Pain, redness, swelling of the conjunctiva and tissue damage. Eye contact may cause permanent damage.
Skin contact:	Pain, redness, blistering and possible chemical burn.
Inhalation:	Irritation or damage to the mucus membranes of the respiratory tract. Nasal discomfort and coughing.
Ingestion:	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.

Immediate, Delayed, Chronic Effects

Product Information:	Data not available or insufficient for classification.
Target organ effects:	Eyes. Respiratory system. Skin.

Acute toxicity

Numerical measures of toxicity:

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 3129 mg/kg
 ATEmix (dermal) >5000 mg/kg
 ATEmix (inhalation-dust/mist) >2.23 mg/l

Component Information:

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Water 7732-18-5	> 90 mL/kg (Rat)	-	-
Butoxydiglycol 112-34-5	= 5660 mg/kg (Rat)	= 2700 mg/kg (Rabbit)	-
Hydrogen Peroxide 7722-84-1	= 1518 mg/kg (Rat)	= 2000 mg/kg (Rabbit) = 4060 mg/kg (Rat)	= 2 g/m ³ (Rat) 4 h
Phosphoric Acid 7664-38-2	= 1530 mg/kg (Rat)	= 2740 mg/kg (Rabbit)	> 850 mg/m ³ (Rat) 1 h
Alkylbenzene Sulfonic Acid 68584-22-5	= 775 mg/kg (Rat)	= 2000 mg/kg (Rabbit)	-
Benzoic Acid 65-85-0	= 1700 mg/kg (Rat)	> 10000 mg/kg (Rabbit)	> 12.2 mg/L (Rat) 4 h > 26 mg/m ³ (Rat) 1 h
Etidronic Acid 2809-21-4	= 3130 mg/kg (Rat)	> 10000 mg/kg (Rabbit)	-
Benzyl Alcohol 100-51-6	= 1230 mg/kg (Rat)	-	= 8.8 mg/L (Rat) 4 h
Sodium Hexyldiphenyl Ether Sulfonate 147732-60-3	> 1000 mg/kg (Rat)	> 1000 mg/kg (Rabbit)	-
Terpineol 8000-41-7	= 2900 mg/kg (Rat)	> 3000 mg/kg (Rabbit)	-

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
Butoxydiglycol 112-34-5	100: 96 h Desmodesmus subspicatus mg/L EC50	1300: 96 h Lepomis macrochirus mg/L LC50 static	-	100: 48 h Daphnia magna mg/L EC50
Hydrogen Peroxide 7722-84-1	-	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	-	18 - 32: 48 h Daphnia magna mg/L EC50 Static
Alkylbenzene Sulfonic Acid 68584-22-5	-	3: 96 h Oncorhynchus mykiss mg/L LC50 static	-	2.9: 48 h Daphnia magna mg/L EC50
Benzoic Acid 65-85-0	-	-	-	860: 48 h Daphnia magna mg/L EC50 Static
Etidronic Acid 2809-21-4	-	868: 96 h Lepomis macrochirus mg/L LC50 static 360: 96 h Oncorhynchus mykiss mg/L LC50 static	-	527: 48 h Daphnia magna mg/L EC50
Benzyl Alcohol 100-51-6	-	460: 96 h Pimephales promelas mg/L LC50 static 10: 96 h Lepomis macrochirus mg/L LC50 static	-	23: 48 h water flea mg/L EC50

Persistence and Degradability:	No information available.
Bioaccumulation:	No information available.
Mobility in Soil:	No information available
Other adverse effects:	No information available.

13. DISPOSAL CONSIDERATIONS

Waste from residues/unused products:	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:	D002

14. TRANSPORT INFORMATION

DOT:	
UN/ID No:	UN1760
Proper Shipping Name:	Corrosive liquids, n.o.s., (hydrogen peroxide)
Hazard Class:	8
Packing Group:	II
Special Provisions:	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.

IMDG:	
UN number or ID number:	UN1760
Proper Shipping Name:	Corrosive liquids, n.o.s., (hydrogen peroxide)
Hazard Class:	8
Packing Group:	II

15. REGULATORY INFORMATION

TSCA (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:

Butoxydiglycol - 112-34-5

applies to R-(OCH₂CH₂)_n-OR', where n = 1, 2, or 3, R=Alkyl C7 or less, or R = Phenyl or Alkyl substituted phenyl, R' = H or Alkyl C7 or less, or OR' consisting of Carboxylic acid ester, Sulfate, Phosphate, Nitrate, or Sulfonate Chemical Category N230

SARA 311/312 Hazard Categories

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

California Proposition 65

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

EPA Pesticide Registration Number: 5741-37

EPA Statement:

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. Following is the hazard information as required on the pesticide label:

EPA Pesticide Label:

DANGER. Corrosive. Causes irreversible eye damage and skin burns. Do not get in eyes, on skin, or on clothing. Harmful if

swallowed. Wear protective eyewear. Wear long-sleeved shirt, long pants, socks and shoes, and chemical resistant gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

16. OTHER INFORMATION

NFPA**HMIS**

Health hazards: 3

Health hazards: 3

Flammability: 0

Flammability: 0

Instability: 0

Physical hazards: 0

Special hazards: -

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Revision Note: First edition

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