



Revision Date: 14-Apr-2026

Safety Data Sheet

Spartan Chemical Company, Inc.

1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Product Name: PROTECT 64 HDQC2
Product Code: 1070
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

Acute toxicity - Oral: Category 4
Acute toxicity - Dermal: Category 4
Acute toxicity - Inhalation (Dusts/Mists) Category 2
Skin corrosion/irritation: Category 2
Serious eye damage/eye irritation: Category 1

Label elements

Signal word:

Symbols:

Danger



Hazard statements:

Fatal if inhaled
Harmful if swallowed or in contact with skin
Causes skin irritation
Causes serious eye damage

Precautionary Statements - Prevention:

Do not breathe dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
In case of inadequate ventilation wear respiratory protection
Wear protective gloves/clothing and eye/face protection
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product

Precautionary Statements - Response:

Eyes:

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 or doctor/physician.

Skin: IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

Inhalation: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

Ingestion: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth.

-Specific Treatment: See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.

Precautionary Statements - Storage: Store in a well-ventilated place. Keep container tightly closed. Store locked up.

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: • Keep out of reach of children

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Weight-%
Water	7732-18-5	80-100
Dicapryl/Dicaprylyl Dimonium Chloride	68424-95-3	1-5
Alkyl C12-16 Dimethylbenzyl Ammonium Chloride	68424-85-1	1-5
Alcohol	64-17-5	1-5
Tetrasodium EDTA	64-02-8	1-5
C9-11 Alcohols Ethoxylated	68439-46-3	0.1-1
Citric Acid	77-92-9	0.1-1
Fragrance	PROPRIETARY	0.1-1
2,6-Dimethyl-7-Octen-2-ol	18479-58-8	<0.1
Eucalyptol	470-82-6	<0.1
Coumarin	91-64-5	<0.1
Butylphenyl Methylpropional	80-54-6	<0.1
Benzyl Benzoate	120-51-4	<0.1
Benzyl Acetate	140-11-4	<0.1
Amyl Salicylate	2050-08-0	<0.1
CI 16035	25956-17-6	<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: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical attention.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or physician if you feel unwell.

Ingestion: Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention if you feel unwell.

Note to physicians: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Product does not support combustion. Use extinguishing agent suitable for type of surrounding fire.

Specific Hazards Arising from the Chemical: Dried product is capable of burning. Combustion products are toxic.

Hazardous Combustion Products: May include Carbon monoxide Carbon dioxide and other toxic gases or vapors.

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).

7. HANDLING AND STORAGE

Advice on safe handling:

Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly after handling.

Storage Conditions:

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep from freezing.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits:

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m ³ (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m ³	IDLH: 3300 ppm TWA: 1000 ppm TWA: 1900 mg/m ³
Benzyl Acetate 140-11-4	TWA: 10 ppm	-	-

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.

Individual protection measures, such as personal protective equipment**Eye/face protection:**

Wear splash 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:

Red

Odor:

Pleasant

Odor Threshold:

No information available

Property**Values****Remarks • Method****pH:**

6.0-9.0

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:	< 1.0	(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:	0.995	
Solubility(ies):	Miscible 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:	Not expected to occur with normal handling and storage.
Conditions to Avoid:	Extremes of temperature and direct sunlight
Incompatible materials:	Strong oxidizing agents. Strong acids.
Hazardous decomposition products:	May include carbon monoxide, carbon dioxide (CO ₂) and other toxic gases or vapors.

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 and cracking of the skin.
Inhalation:	Nasal discomfort and coughing.
Ingestion:	Pain, nausea, vomiting and diarrhea.

Immediate, Delayed, Chronic Effects

Product Information:	Data not available or insufficient for classification.
Target organ effects:	Blood. Central nervous system. Eyes. Liver. Reproductive system. Respiratory system. Skin.

Acute toxicity

Numerical measures of toxicity:

ATEmix (oral)	2,160.80 mg/kg
ATEmix (dermal)	28,032.60 mg/kg
ATEmix (inhalation-dust/mist)	4.08 mg/l

Component Information:

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Water 7732-18-5	> 90 mL/kg (Rat)	-	-
Dicapryl/Dicaprylyl Dimonium Chloride 68424-95-3	-	= 3861 mg/kg (Rabbit)	-
Alkyl C12-16 Dimethylbenzyl Ammonium Chloride 68424-85-1	= 358 mg/kg (Rat)	= 2730 mg/kg (Rabbit)	-
Alcohol 64-17-5	= 7060 mg/kg (Rat)	-	= 116.9 mg/L (Rat) 4 h = 133.8 mg/L (Rat) 4 h
Tetrasodium EDTA 64-02-8	= 1658 mg/kg (Rat)	-	-
C9-11 Alcohols Ethoxylated	= 1400 mg/kg (Rat)	-	-

68439-46-3			
Citric Acid 77-92-9	= 3 g/kg (Rat)	> 2000 mg/kg (Rat)	-
2,6-Dimethyl-7-Octen-2-ol 18479-58-8	= 3600 mg/kg (Rat)	> 5 g/kg (Rabbit)	-
Eucalyptol 470-82-6	= 2480 mg/kg (Rat)	-	-
Coumarin 91-64-5	> 5000 mg/kg (Rat)	= 293 mg/kg (Rat)	-
Butylphenyl Methylpropional 80-54-6	= 1390 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	> 0.18 mg/L (Rat) 7 h
Benzyl Benzoate 120-51-4	> 2000 mg/kg (Rat)	= 4000 mg/kg (Rabbit)	-
Benzyl Acetate 140-11-4	= 2490 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	-
Amyl Salicylate 2050-08-0	= 4100 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	-
CI 16035 25956-17-6	> 10 g/kg (Rat)	= 10000 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
Alcohol 64-17-5	-	LC50: 12.0 - 16.0mL/L (96h, Oncorhynchus mykiss) LC50: >100mg/L (96h, Pimephales promelas) LC50: 13400 - 15100mg/L (96h, Pimephales promelas)	-	LC50: 9268 - 14221mg/L (48h, Daphnia magna) EC50: =2mg/L (48h, Daphnia magna)
Tetrasodium EDTA 64-02-8	-	LC50: =41mg/L (96h, Lepomis macrochirus) LC50: =59.8mg/L (96h, Pimephales promelas)	-	-
Citric Acid 77-92-9	-	LC50: =1516mg/L (96h, Lepomis macrochirus)	-	-
Eucalyptol 470-82-6	-	LC50: 95.4 - 109mg/L (96h, Pimephales promelas)	-	-
Butylphenyl Methylpropional 80-54-6	-	LC50: 2.2 - 4.6mg/L (96h, Brachydanio rerio)	-	EC50: =10.7mg/L (48h, Daphnia magna)
Benzyl Benzoate 120-51-4	-	LC50: =2.32mg/L (96h, Danio rerio)	-	-

Persistence and Degradability:

No information available.

Bioaccumulation:

No information available.

Marine Pollutant:

Yes

Mobility in Soil:

No information available

Other adverse effects:

No information available.

13. DISPOSAL CONSIDERATIONS

Waste from residues/unused

Dispose of in accordance with federal, state and local regulations.

products:**Contaminated packaging:** Dispose of in accordance with federal, state and local regulations.**14. TRANSPORT INFORMATION**

DOT: Not Regulated
UN/ID No: Non Hazardous Product
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: UN3082
Proper Shipping Name: Environmentally hazardous liquid, n.o.s., (contains quaternary ammonium), Marine Pollutant
Hazard Class: 9
Packing Group: III
Marine Pollutant: Yes
Additional information: 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** (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 does not contain listed substances above the "de minimus" level

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: 5741-35**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. May be fatal if inhaled or absorbed through the skin. Harmful if swallowed. Do not get in eyes, on skin or on clothing. Wear protective eye wear (goggles/face shield), rubber gloves and protective clothing (coveralls over long-sleeved shirt and long pants; socks and chemical resistant footwear; chemical resistant gloves.), and a NIOSH-approved particulate filtering facepiece respirator with any N, R or P filter; OR a NIOSH-approved elastomeric particulate respirator with any N, R, or P filter; OR a NIOSH-approved powdered air purifying respirator with HE filters. Do not breathe spray or mist. Wash thoroughly with soap and water after handling and before eating, drinking, smoking tobacco, chewing gum, or using the toilet. Remove contaminated clothing and wash clothing before reuse.

16. OTHER INFORMATION

NFPA	Health hazards: 3	Flammability: 0	Instability: 0	Special hazards: -
HMIS	Health hazards: 3	Flammability: 0	Physical hazards: 0	

Revision Date: 14-Apr-2026
Revision Note: Section, 2, 11, 12

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