



Safety Data Sheet

Spartan Chemical Company, Inc.

Revision Date: 20-Dec-2023

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: PROFECT 64 HDQC2
Product Number: 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

GHS Label Elements

Signal Word:

Danger

Symbols:



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

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 PHYSICIAN.

-Skin

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

-Inhalation:	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.
-Ingestion:	IF SWALLOWED: Call a poison center or physician if you feel unwell. Rinse mouth.
-Specific Treatment:	See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information.
Storage:	Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Disposal:	Dispose of contents and container in accordance with local, state and federal regulations.
Hazards Not Otherwise Classified:	Not Applicable
Other Information:	• Keep out of reach of children

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Water	7732-18-5	60-100
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. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.
-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 Clean-Up: Use personal protective equipment as required. Dam up. Cover liquid spill with sand, earth or other non-combustible absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

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 containers tightly closed in a dry, cool 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.

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

Appearance/Physical State:	Liquid
Color:	Red
Odor:	Pleasant
pH:	6.0-9.0
Melting Point / Freezing Point:	No information 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 information available
Upper Flammability Limit:	No information available
Lower Flammability Limit:	No information available
Vapor Pressure:	No information available
Vapor Density:	No information available
Specific Gravity:	0.995
Solubility(ies):	Miscible in water
Partition Coefficient:	No information available
Autoignition Temperature:	No information available
Decomposition Temperature:	No information available
Viscosity:	No information available

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.
Chronic Toxicity:	May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects. Contains a known or suspected reproductive toxin.
Target Organ Effects:	Blood. Central nervous system. -Eyes. Liver. Reproductive System. Respiratory System. -Skin.
Numerical Measures of Toxicity	
ATEmix (oral):	535 mg/kg
ATEmix (dermal):	1001 mg/kg
ATEmix (inhalation-dust/mist):	0.056 mg/l

Component Acute Toxicity Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Water 7732-18-5	> 90 mL/kg (Rat)	Not Available	Not Available
Alkyl C12-16 Dimethylbenzyl Ammonium Chloride 68424-85-1	= 426 mg/kg (Rat)	Not Available	Not Available
Alcohol 64-17-5	= 7060 mg/kg (Rat)	Not Available	= 124.7 mg/L (Rat) 4 h

Tetrasodium EDTA 64-02-8	= 1658 mg/kg (Rat)	Not Available	Not Available
C9-11 Alcohols Ethoxylated 68439-46-3	= 1400 mg/kg (Rat)	Not Available	Not Available
Citric Acid 77-92-9	= 3 g/kg (Rat)	Not Available	Not Available
2,6-Dimethyl-7-Octen-2-ol 18479-58-8	= 3600 mg/kg (Rat)	> 5 g/kg (Rabbit)	Not Available
Eucalyptol 470-82-6	= 2480 mg/kg (Rat)	Not Available	Not Available
Coumarin 91-64-5	> 5000 mg/kg (Rat)	> 2000 mg/kg (Rat)	Not Available
Butylphenyl Methylpropional 80-54-6	= 1390 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	Not Available
Benzyl Benzoate 120-51-4	= 500 mg/kg (Rat)	= 4000 mg/kg (Rabbit)	Not Available
Benzyl Acetate 140-11-4	= 2490 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	Not Available
Amyl Salicylate 2050-08-0	= 4100 mg/kg (Rat)	> 5000 mg/kg (Rabbit)	Not Available
CI 16035 25956-17-6	> 10 g/kg (Rat)	Not Available	Not Available

Carcinogenicity: The table below indicates whether each agency has listed any ingredient as a carcinogen

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Algae/Aquatic Plants	Fish	Toxicity to Microorganisms	Crustacea
Alcohol 64-17-5	Not Available	12.0 - 16.0: 96 h Oncorhynchus mykiss mL/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through	Not Available	9268 - 14221: 48 h Daphnia magna mg/L LC50 2: 48 h Daphnia magna mg/L EC50 Static
Tetrasodium EDTA 64-02-8	1.01: 72 h Desmodemus subspicatus mg/L EC50	41: 96 h Lepomis macrochirus mg/L LC50 static 59.8: 96 h Pimephales promelas mg/L LC50 static	Not Available	Not Available
Citric Acid 77-92-9	Not Available	1516: 96 h Lepomis macrochirus mg/L LC50 static	Not Available	Not Available
Eucalyptol 470-82-6	Not Available	95.4 - 109: 96 h Pimephales promelas mg/L LC50 flow-through	Not Available	Not Available
Butylphenyl Methylpropional 80-54-6	Not Available	2.2 - 4.6: 96 h Brachydanio rerio mg/L LC50 static	Not Available	10.7: 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.

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/ID No:	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 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 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: N/A
HMIS	Health Hazards: 3	Flammability: 0	Physical Hazards: 0	

Revision Date: 20-Dec-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



PROFECT® 64 HDQC2®

Daily Cleaner Disinfectant



Profect 64 hdqc2 is a one step¹ hospital disinfectant cleaner¹ formulated to kill a broad spectrum of microorganisms such as HIV-1 (AIDS Virus), Hepatitis B Virus (HBV), and Hepatitis C Virus (HCV) on hard, nonporous surfaces. With a neutral pH, Profect 64 hdqc2 disinfects without damaging or dulling floor finish even with repeated use. Available in a refreshing citrus scent. Profect 64 hdqc2 is cost-effective and reduces restocking intervals for routine high touch surface cleaning. Use Profect 64 hdqc2 daily as part of a simple and effective cleaning and disinfection¹ program for your entire facility.

EPA Registration Number: 5741-35

PROFECT® 64 HDQC2®

FEATURES

- pH neutral formulation designed to provide effective cleaning, deodorizing, and disinfection for all hard, nonporous environmental surfaces
- Bactericide/Virucide*/Mildewstat
- 2 minute sanitizing³ activity***
- Sanitizes soft surfaces^{2,3} in 10 minutes

BENEFITS

- Economical to use - dilute at 2 ounces per gallon of water
- Meets surface disinfection recommendations of OSHA's Bloodborne Pathogens Standard
- One product for all your cleaning and disinfection needs
- Kills SARS-CoV2³ the virus that causes COVID-19

¹When used according to disinfection directions for all listed organisms

²100% cotton and 100% polyester

³When used according to the soft surface sanitizer directions for spot treatment of precleaned soft surfaces

⁴On hard, non-porous surfaces

⁵When used as directed for sanitizing hard, non-porous, non-food contact surfaces

*Hepatitis C Virus (HCV), Hepatitis B Virus (HBV), HIV-1 (AIDS Virus), Influenza A Virus, and Influenza B Virus

****Staphylococcus aureus* (ATCC 13048) and *Enterobacter aerogenes* (ATCC 6538)

EFFICACY DATA

FOR USE AS A ONE-STEP¹ DISINFECTANT, DEODORIZER, AND CLEANER ON HARD, NON-POROUS SURFACES

When used as directed, this product is effective against *Pseudomonas aeruginosa*, *Staphylococcus aureus*, *Bordetella bronchiseptica*, *Enterobacter aerogenes*, *Escherichia coli* O157:H7, Extended-Spectrum beta-lactamase (ESBL) producing *Escherichia coli*, *Klebsiella pneumoniae* (ESBL), *Klebsiella pneumoniae* (NDM-1), *Listeria monocytogenes*, Methicillin Resistant *Staphylococcus aureus* (MRSA), Multi-drug Resistant (MDR) *Acinetobacter baumannii*, *Neisseria gonorrhoeae*, *Proteus mirabilis*, *Proteus vulgaris*, *Salmonella enterica*, *Salmonella enterica* subspecies enterica serovar Pullorum, *Salmonella enterica* subspecies enterica serovar Typhimurium, *Serratia marcescens*, *Shigella flexneri* serotype 2B, *Shigella sonnei*, *Streptococcus pneumoniae*, *Streptococcus pyogenes*, Vancomycin Resistant *Enterococcus faecalis* (VRE), *Vibrio cholerae*, and *Yersinia enterocolitica*.

*VIRUCIDAL ACTIVITY ON HARD, NON-POROUS SURFACES

When used as directed, this product is effective against Hepatitis C Virus (HCV), Hepatitis B Virus (HBV), HIV-1 (AIDS Virus), Herpes Simplex Virus Type 1, Herpes Simplex Virus Type 2, Human Coronavirus, Human Rotavirus, Influenza A Virus, Influenza B Virus, SARS-CoV-2 and Vaccinia virus.

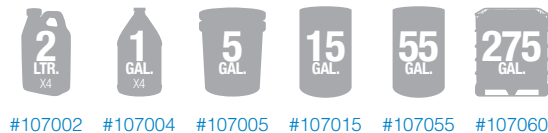
TO CONTROL MILDEW

When used as directed this product is an effective mildewstat against *Aspergillus niger*.

SPECIFICATION DATA

Dilution	1:64
pH	6.0 – 9.0
Color	Red
Fragrance	Refreshing Herbal
Specific Gravity @ 24°C/75°F	0.999
Flash Point	None
Stability: Shelf @ 24°C/75°F	1-year minimum
Stability: Freeze/Thaw	3 cycles
EPA Registration Number	5741-35

ORDERING INFORMATION



ADDITIONAL RESOURCES

Scan the QR code to access this product's safety information and documentation.



SAFETY: For institutional and industrial use only. Be sure to read all directions, precautionary and first aid statements on product labels before using this or any other Spartan product. If questions remain, consult your employer or a physician. Safety Data Sheets for all Spartan products are available from your authorized Spartan distributor and at www.spartanchemical.com. Workplace labels are available in English, Spanish, and French.

GUARANTEE: Spartan's modern manufacturing and laboratory control ensures uniform quality. If dissatisfied with performance of product, any unused portion may be returned for credit within 12 months of the date of manufacture.