



Safety Data Sheet

Spartan Chemical Company, Inc.

Revision Date: 20-Dec-2023

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier

Product Name: PSQ 5
Product Number: 1036
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 3
Acute toxicity - Inhalation (Vapors): Category 3
Skin Corrosion/Irritation: Category 1 Sub-category B
Serious Eye Damage/Eye Irritation: Category 1

GHS Label Elements

Signal Word:

Danger

Symbols:



Hazard Statements:

Harmful if swallowed.
Toxic in contact with skin
Toxic if inhaled
Causes severe skin burns and serious eye damage.

Precautionary Statements:

Prevention:

Do not breathe mist, vapors or spray.
Wash hands and any exposed skin 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. Wear eye / face protection. Wear protective clothing.

Response:

-Eyes

IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN.

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 victim to fresh air and keep at rest in a position comfortable for breathing.

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| -Ingestion: | IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. |
| -Specific Treatment: | See Safety Data Sheet Section 4: "FIRST AID MEASURES" for additional information. |
| Storage: | 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: | <ul style="list-style-type: none"> • Corrosive • 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 | 60-100 |
| Dimethyldioctylammonium Chloride | 5538-94-3 | 1-5 |
| Benzalkonium Chloride | 68391-01-5 | 1-5 |
| C6-12 Alcohol Ethoxylates | 68439-45-2 | 1-5 |
| Tetrasodium EDTA | 64-02-8 | 0.1-1 |
| Sodium Citrate | 6132-04-3 | 0.1-1 |
| Fragrance | PROPRIETARY | <0.1 |
| Pine Essential Oil | 8002-09-3 | <0.1 |
| Isobornyl Acetate | 125-12-2 | <0.1 |
| Terpinolene | 586-62-9 | <0.1 |
| Camphor | 76-22-2 | <0.1 |
| Acid Green 1 | 19381-50-1 | <0.1 |

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

4. FIRST AID MEASURES

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| -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. |
| -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. IMMEDIATELY CALL A POISON CENTER OR PHYSICIAN. |
| Note to Physicians: | NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. |

5. FIRE-FIGHTING MEASURES

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| 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

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| 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: | 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

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| 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 |
|----------------------------|---|--|---|
| Camphor 76-22-2 | STEL: 3 ppm synthetic TWA: 2 ppm synthetic | TWA: 2 mg/m ³ (vacated) TWA: 2 mg/m ³ | IDLH: 200 mg/m ³ TWA: 2 mg/m ³ synthetic |
| Acid Green 1 19381-50-1 | TWA: 1 mg/m ³ Fe | (vacated) TWA: 1 mg/m ³ Fe | TWA: 1 mg/m ³ Fe |

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| 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. 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

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| Appearance/Physical State: | Liquid |
| Color: | Green |
| Odor: | Pine fragrance |
| pH: | 10.5-12.0 |
| Melting Point / Freezing Point: | No information available |
| Boiling Point / Boiling Range: | > 94 °C / 201 °F |
| Flash Point: | > 94 °C / > 201 °F ASTM D56 |
| Evaporation Rate: | < 1.0 (Butyl acetate = 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: | 1.01 |
| Solubility(ies): | No information available |
| Partition Coefficient: | No information available |
| Autoignition Temperature: | No information available |
| Decomposition Temperature: | No information available |
| Viscosity: | No information available |

10. STABILITY AND REACTIVITY

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| 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

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| 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. |
| Immediate, Delayed, Chronic Effects | |
| Product Information: | Data not available or insufficient for classification. |

Numerical Measures of Toxicity

The following acute toxicity estimates (ATE) are calculated based on the GHS document.
Data not available or insufficient for classification.

Component Acute Toxicity Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|-------------------------------------|----------------------|--------------------------|-------------------------|
| Water 7732-18-5 | > 90 mL/kg (Rat) | Not Available | Not Available |
| Benzalkonium Chloride 68391-01-5 | = 850 mg/kg (Rat) | = 2300 mg/kg (Rabbit) | Not Available |
| Tetrasodium EDTA 64-02-8 | = 1658 mg/kg (Rat) | Not Available | Not Available |
| Pine Essential Oil 8002-09-3 | = 3200 mg/kg (Rat) | = 400 mg/kg (Rabbit) | > 3.79 mg/L (Rat) 4 h |
| Isobornyl Acetate 125-12-2 | = 9050 mg/kg (Rat) | > 20000 mg/kg (Rabbit) | Not Available |
| Terpinolene 586-62-9 | = 4390 mg/kg (Rat) | Not Available | 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 |
|---------------------------------|---|--|----------------------------|---|
| Tetrasodium EDTA 64-02-8 | 1.01: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 | 41: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 59.8: 96 h <i>Pimephales promelas</i> mg/L LC50 static | Not Available | Not Available |
| Pine Essential Oil 8002-09-3 | Not Available | Not Available | Not Available | 17 - 28: 48 h <i>Daphnia magna</i> mg/L EC50 Flow through |
| Isobornyl Acetate 125-12-2 | Not Available | 10.0 - 18.0: 96 h <i>Brachydanio rerio</i> mg/L LC50 static | Not Available | Not Available |

Persistence and Degradability: No information available.

Bioaccumulation: No information available.

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| Marine Pollutant: | Yes. |
| Other Adverse Effects: | No information available |

13. DISPOSAL CONSIDERATIONS

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| 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

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| DOT: | |
| UN/ID No: | UN1903 |
| Proper Shipping Name: | Disinfectants, corrosive, liquid, n.o.s., (contains quaternary ammonium chloride) |
| 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. |

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|--------------------------------|---|
| UN/ID No: | UN1903 |
| Proper Shipping Name: | Disinfectants, corrosive, liquid, n.o.s., (contains quaternary ammonium chloride), Marine Pollutant |
| Hazard Class: | 8 |
| Packing Group: | II |
| 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

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|---|-----|
| 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: 6836-363-5741

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. May be fatal if inhaled or absorbed through skin. Harmful if swallowed. Do not breathe vapor or spray mist. Wear appropriate protective eyewear such as goggles, face shield, or safety glasses. Wear protective clothing and protective (rubber or chemical resistant) gloves. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing before reuse.

16. OTHER INFORMATION

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|-------------|--------------------------|------------------------|----------------------------|---------------------|
| 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