



Spartan Chemical Company, Inc.
Material Safety Data Sheet

201021
102103

SECTION I: PRODUCT INFORMATION

Product Name or Number (as it appears on label):
TB-CIDE QUAT
Product Number: 1021; 1017

Product Division:
Janitorial

Spartan Chemical Company, Inc.
1110 Spartan Drive
Maumee OH 43537

Product/Technical Information: **1-(800)-537-8990**
Medical Emergency: **1-(888)-314-6171 (24 hours)**
Chemical Leak/Spill Emergency: **CHEMTREC 1-(800) 424-9300 (24 hours)**

Shipping Description: Cleaning compounds, liquid, n.o.s.

| NFPA Ratings: | HMIS Ratings: |
|---|---|
| Health: 2 - Moderate Fire: 0 - Minimal Reactivity: 0 - Minimal | Health: *2 - Moderate; Chronic Hazard Fire: 0 - Minimal Reactivity: 0 - Minimal Pers. Prot. Equip.: See Section VIII |

SECTION II: HAZARDOUS INGREDIENTS

(Listed when present at 1% or greater, carcinogens at 0.1% or greater) All component chemicals are listed or exempted from listing on the "TSCA Inventory" of chemical substances maintained by the U.S. Environmental Protection Agency.

| Chemical Name(s) | %Wt | CAS Registry No. | Table Z-1-A | | | NTP, IARC or OSHA Carcinogen |
|---|-------|------------------|-----------------------|------------------------|---------------------------|------------------------------|
| | | | TWA mg/m ³ | STEL mg/m ³ | CEILING mg/m ³ | |
| *Diethylene glycol monobutyl ether | 5-10 | 112-34-5 | Not Established | Not Established | Not Established | No |
| Tetrasodium ethylene diaminetetraacetate | 1-5 | 64-02-8 | Not Established | Not Established | Not Established | No |
| Alkyl dimethyl benzyl ammonium chloride | < 1.0 | 68391-01-5 | Not Established | Not Established | Not Established | No |
| Alkyl dimethyl ethyl benzyl ammonium chloride | < 1.0 | 68956-79-6 | Not Established | Not Established | Not Established | No |

Comment: *This substance is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (SARA) and of 40 CFR 372.

SECTION III: PHYSICAL DATA

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|---|---|
| Boiling Point: 209 °F | Vapor Pressure: Undetermined |
| Vapor Density (AIR = 1): Unknown | Solubility in Water: Complete |
| pH: 11.5-12.5 | Specific Gravity (H ₂ O=1): 1.01 |
| Evaporation Rate (but.ac.=1): <1 | Percent Solid by Weight: 2 - 4 |
| Physical State: Liquid | |
| Appearance & Odor: Clear to amber liquid, lemon fragrance | |

SECTION IV: FIRE & EXPLOSIVE HAZARD DATA

| | |
|--|-----------------------|
| Flash Point: > 200°F | Method Used: ASTM-D56 |
| Flammable Limits: Not Established | Flame Extension: N/A |
| Extinguishing Media: Product does not support combustion. Use extinguishing media appropriate for surrounding fire. | |
| Special Fire Fighting Procedures: Wear NIOSH approved self-contained breathing apparatus and protective clothing. Cool fire-exposed containers with water spray. | |
| Unusual Fire & Explosive Hazards: Combustion products are toxic. | |

SECTION V: HEALTH HAZARD DATA

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| Threshold Limit Value: Not Established | Primary Routes of Entry: Inhalation, Skin Contact, Eyes & Oral |
| Effects of Overexposure- Conditions to Avoid: | CAUSES SKIN AND EYE IRRITATION: Symptoms may include pain, redness, swelling and tissue damage. HARMFUL IF SWALLOWED. Symptoms may include nausea, vomiting, pain and diarrhea. INHALATION OF SPRAY MIST MAY CAUSE RESPIRATORY IRRITATION. Breathing spray mist may cause coughing and difficulty breathing. Do not get in eyes on skin or clothing. Do not swallow. Avoid breathing product mist. Avoid contamination of food. Wash thoroughly with soap and water after handling. |
| Conditions Aggravated by Use: | Use of this product may aggravate preexisting skin; eye and respiratory disorders including asthma and dermatitis. |

Emergency & First Aid Procedures:

| | |
|-------------|---|
| Eyes: | Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses; if present; after the first 5 minutes then continue rinsing eye. Call a poison control center or doctor for treatment advice. |
| Skin: | Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. Wash contaminated clothing before reuse. |
| Ingestion: | Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person. |
| Inhalation: | Move person to fresh air. If person is not breathing; call 911 or an ambulance then give artificial respiration; preferably by mouth-to-mouth; if possible. Call a poison control center or doctor for further treatment advice. |

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

SECTION VI: REACTIVITY DATA

| | |
|---|--|
| Stability: Stable | Incompatible Materials: Strong oxidizers |
| Hazardous Decomposition Products: CO, CO ₂ | Hazardous Polymerization: Will Not Occur |

SECTION VII: SPILL OR LEAK PROCEDURES

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|---|--|
| Steps to be Taken in Case Material is Released or Spilled: | Small spills of one gallon or less may be flushed with plenty of water to sanitary sewer system (If permitted by local sewer regulations). Dike and contain large spills with inert material and transfer liquid to containers for disposal. Keep spill out of storm sewers and waterways. |
| Waste Disposal Method: | Dispose of in compliance with all federal, state and local laws and regulations. |

SECTION VIII: SPECIAL PROTECTION INFORMATION

| | |
|----------------------------------|---|
| Respiratory Protection: | Not normally required when good general ventilation is provided. However, if exposure limits (see Section II) are exceeded or respiratory irritation occurs, use of a NIOSH approved respirator suitable for the use-conditions and chemicals in Section II should be considered. |
| Ventilation: | Provide good general ventilation. Local exhaust ventilation may be necessary for some operations. |
| Protective Gloves(Specify Type): | Rubber or neoprene gloves are recommended. |
| Eye Protection(Specify Type): | Splash goggles are recommended to prevent eye contact. |
| Other Protective Equipment: | See 29 CFR 1910.132-138 for further guidance. |

SECTION IX: SPECIAL PRECAUTIONS

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|----------------------------------|--|
| Precautions; Handling & Storing: | Do not contaminate water, food or feed by storage or disposal. Keep from freezing. |
| Other Precautions: | Keep out of reach of children. |

© SCC 06/30/2005

Name: Ronald T. Cook

Title: Manager, Regulatory Affairs

TS-CIDE QUAT

Effective Date: 06/30/2005

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Ref: 29 CFR 1910.1200 (OSHA)

Changes: Update Section IX

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Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form approved
OMB No. 1218-0072

| | |
|--|---|
| IDENTITY (As Used on Label and List) SPLASH DISHWASH LIQUID 0001.8.286M | Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that. |
|--|---|

Section I

| | |
|---------------------------|----------------------|
| Manufacturer's Name | MARIETTA CORPORATION |
| Street Address | 37 HUNTINGTON STREET |
| City, State, and ZIP Code | CORTLAND, NY 13045 |
| Telephone Number | 607 - 753 - 6746 |

Section II - Hazardous Ingredients/Identity Information

Other Limits

Hazardous Components (Specific Chemical Identify; Common Names(s)) OSHA PEL ACGIH TLV

Recommended % (optional)

NONE

Section III - Physical/Chemical Characteristics

| | | | |
|------------------------|---------|-------------------------------------|--|
| Boiling Point | 100°C | Specific Gravity | 1.0 + 0.1 |
| Vapor Pressure (mm Hg) | N/A | Melting Point | N/A |
| Vapor Density (Air=1) | N/A | Evaporation Rate (Butyl Acetate =1) | <1 |
| Solubility in water | SOLUBLE | Appearance and Odor | Clear light gold flowable liquid having a characteristic odor. |

Section IV - Fire and Explosion Hazard Data

| | | | |
|------------------------------------|------------------|-----|-----|
| Flash Point (Method Used) | Flammable Limits | LEL | UEL |
| None | N/A | N/A | N/A |
| Extinguishing Media | NONE | | |
| Special Fire Fighting Procedures | NONE | | |
| Unusual Fire and Explosion Hazards | NONE | | |

Section V - Reactivity Data

| | | | |
|---------------------------------------|------------|--------------------|---------------------------|
| Stability | Stable XXX | Unstable | Conditions to avoid: NONE |
| Incompatibility (materials to avoid) | NONE | | |
| Hazardous Decomposition or Byproducts | NONE KNOWN | | |
| Hazardous Polymerization | May occur | Will not occur XXX | Conditions to avoid: NONE |

Section VI - Health Hazard Data

| | | | |
|--|--|---------------------|--------------------|
| Routes of entry | Inhalation? No | Skin? Yes | Ingestion? Yes |
| Health Hazards (Acute and Chronic) | Eye contact may cause temporary moderate irritation. Excessive skin contact may cause temporary dryness and irritation. Ingestion may cause gastric disturbances. | | |
| Carcinogenicity: | NTP? No | IARC Monographs? No | OSHA regulated? No |
| Signs and symptoms of exposure | See health hazards | | |
| Medical conditions generally aggravated by exposure: | None | | |
| Emergency and First Aid Procedures: | Skin and eyes: Flush with copious amounts of water until irritation subsides. Contact physician as soon as possible. Ingestion: Contact a physician as soon as possible. | | |

Section VII - Precautions for Safe Handling and Use

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|--|---|
| Steps to Be Taken in Case Material Released or Spilled | Flush with plenty of water to dilute |
| Waste Disposal Method | Comply with all federal, state, and local regulations |
| Precautions to Be Taken in Handling and Storing | None |
| Other Precautions | Discard empty containers |
| NOTE: Under normal conditions, this material is not considered a hazardous material as defined by the OSHA hazardous communication standard. | |

Section VIII - Control Measures

| | | | | |
|--|--------------------------------|------------|---------|-------|
| Respiratory protection (specify type) | None required | | | |
| Ventilation: | Local exhaust | Mechanical | Special | Other |
| Normal room ventilation | N/A | N/A | N/A | N/A |
| Protective gloves | None required under normal use | | | |
| Eye protection | None required under normal use | | | |
| Other protective clothing or equipment | None required under normal use | | | |
| Work/hygienic practices | Normal | | | |

Prepared by: Christeen Gnad
Marietta Corporation
Date: 8/4/03