



PO Box 32 ▾ 105 Liberty Street ▾ Winona, MN 55987 ▾ Phone: 800-533-0027 or 507-454-5640 ▾ Fax: 507-454-5641

**FOR CHEMICAL EMERGENCY**  
Involving Shipping and Handling Spills, Leak, Fire, Exposure or Accident  
Call CHEMTREC 1-800-424-9300

Complies with OSHA's Hazard Communication Standard 29 CFR 1910.1200

**Section 1 - Product Identification**

Product Name: BTF® Q.A.®, all sizes

Product ID: 1101X

**Section 2 - Composition/Information on Ingredients****CHEMICAL AND COMMON NAME****CAS REG. #**

Alkyl dimethyl benzyl ammonium chloride (C12-18)

68391-01-5

Alkyl dimethyl ethyl benzyl ammonium chloride (C12-14)

85409-23-0

Ethanol

67-17-5

*Other ingredients are judged to be non-hazardous, their CAS numbers and their exact percent of composition are proprietary to National Chemicals, Inc.***Section 3 - Hazards Identification****EMERGENCY OVERVIEW:** Green colored liquid. May cause irritation or burns to the eyes, skin, gastrointestinal tract, and respiratory system.**SKIN:** May cause burns. Brief exposures may cause irritation and defatting of the skin.**EYES:** May cause burns and may result in permanent injury.**INHALATION:** Mists and vapors can irritate the throat and respiratory tract. Symptoms may include headaches, dizziness, and drowsiness.**INGESTION:** Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.**Section 4 - First Aid Measures****EYES:** Immediately flush eyes with water for 15-20 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention.**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.**INHALATION:** If symptoms are experienced, move victim to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.**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.**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.**Section 5 - Fire Fighting Measures****FLASH POINT:** 104°F (40.0°C) - Pinsky Martin Closed Cup**UPPER AND LOWER FLAME LIMITS:** Not determined**EXTINGUISHING MEDIA:** Dry chemical, foam, carbon dioxide or water fog. Solid water streams may spread burning liquid.**HAZARDOUS COMBUSTION PRODUCTS:** Irritating and toxic gases or fumes may be released during a fire.**UNUSUAL FIRE EXPLOSION EXPLOSIVE HAZARDS:** Mixtures can form with air. Combustion products are toxic. Solvent vapors can travel to an ignition source and flash back.**Section 6 - Accidental Release Measures****SPILL CLEANUP:** Isolate spill or leak area immediately. Eliminate all ignition sources (no smoking, flares, sparks or flames) in immediate area. Ventilate closed spaces before entering. Floor will be slippery. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, basements or confined areas. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material.**Section 7 - Handling and Storage****HANDLING:** Avoid contact with skin and eyes. Use good personal hygiene practices. Wash thoroughly after work using soap and water.**STORAGE:** Keep the container tightly closed and in a cool, well-ventilated place. Keep from freezing. Do not handle or store near an open flame, heat or other sources of ignition. Prevent electrostatic charge buildup by using common bonding and grounding techniques.

**Section 8 - Exposure Controls and Personal Protection**

ENGINEERING CONTROLS: Provide adequate local exhaust ventilation.  
 EYE/FACE PROTECTION: Wear chemical goggles. Use a face shield if splashing is possible.  
 SKIN: Use impervious gloves (rubber or neoprene). Wear suitable protective clothing.  
 RESPIRATORY: If exposure limits are exceeded or if irritation is experienced, NIOSH approved respiratory protection should be worn.  
 GENERAL: Eye wash fountain is recommended.

INGREDIENT	EXPOSURE GUIDELINE	GUIDELINE VALUE
Ethanol 64-17-5	ACGIH TLV (2005), OSHA PEL & NIOSH REL	1000 ppm (TWA)

**Section 9 - Physical and Chemical Properties**

APPEARANCE AND ODOR:	Odorless, green colored liquid	SPECIFIC GRAVITY:	0.9487 (7.87 lb/gal)
PERCENT VOLATILES:	20% (weight %)	VAPOR PRESSURE:	not determined
VAPOR DENSITY:	not determined	EVAPORATION RATE:	not determined

**Section 10 - Stability and Reactivity**

STABILITY: Stable  
 CONDITIONS TO AVOID: Keep away from heat and strong oxidizing agents.  
 INCOMPATIBLE MATERIALS: Strong oxidizing agents (may result in fire.), reducing agents  
 HAZARDOUS DECOMPOSITION: Carbon monoxide, carbon dioxide hydrogen chloride vapors  
 HAZARDOUS POLYMERIZATION: Will not occur

**Section 11 - Toxicological Information**

CARCINOGENICITY: No Carcinogenicity data available for this product.  
 PRIMARY SKIN: Corrosive, severe irritant  
 PRIMARY EYE: Corrosive, sever ocular irritant

**Section 12 -Ecological Information**

ECOTOXICITY: Very Toxic to aquatic organisms.  
 ENVIRONMENTAL FATE: This product is biodegradable.

**Section 13 - Disposal Considerations**

CONTAINER DISPOSAL: Do not reuse empty container. Triple rinse empty container with water.

**Section 14 - Transport Information**

Not classified as hazardous according to Department of Transportation.

**Section 15 - Regulations**

TSCA: While three of four ingredients are listed on the TSCA Chemical Inventory, this product is regulated as a pesticide under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) and not subject to the TSCA Inventory rules for FIFRA uses.

SARA TITLE III, SECTIONS 311/312: Classification of this product: Immediate, Fire

SARA TITLE 313: No ingredients listed in this section.

CERCLA: No ingredients listed in this section.

STATE RIGHT TO KNOW

INGREDIENT	STATE LIST
Benzyl Chloride (trace < 100 ppm)	AZ, CA, CAP65C, CT, FL, IL, MA, MN, NJ, PA, RI
Ethanol	AZ, CA, CT, FL, ID, MA, MN, NJ, PA, RI

**Section 16 - Other Information**

SUPERCEDES DATE: January 1, 2005

*The information and recommendations in this Material Safety Data Sheet are based upon data believed to be correct and does not relate to its use in combination with any other material or process. Since use conditions vary, we assume no liability for failure to follow product use direction and safety precautions. As data, standards and regulations change; NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.*