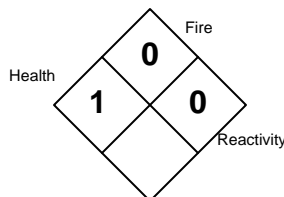


MATERIAL SAFETY DATA SHEET

NEUTRAVAC® CATALOG NUMBERS: NV800 & NV803 (Concentrate Form)

SECTION I – Manufacturer

Biotrol
13705 Shoreline Court East, Earth City, MO 63045
1-800-822-8550



SECTION II – Hazardous Ingredients / Identity

| Hazardous Components | CAS Number | % by Weight |
|---|------------|-------------|
| Alkyl dimethyl benzyl ammonium chloride (C12-18) | 68391-01-5 | <5% |
| Alkyl dimethyl ethylbenzyl ammonium chloride (C12-18) | 68956-79-6 | <5% |
| Ethanol | 64-17-5 | <1% |
| Alcohol, C12-14, ethoxylated propoxylated | 68439-51-0 | <1% |

Occupational Exposure Limits:

Alkyl dimethyl benzyl ammonium chloride (C12-18): ACGIH TLV and OSHA PEL = Not Established
Alkyl dimethyl ethylbenzyl ammonium chloride (C12-18): ACGIH TLV and OSHA PEL = Not Established
Ethanol: ACGIH TLV = 1000 ppm and OSHA PEL = 1000 ppm

SECTION III – Physical & Chemical Characteristics

Solubility in Water: Complete
pH: 7-8
Vapor Pressure (mm Hg): Like water
Freezing Point: Not Determined
Physical State, Appearance and Odor: Colorless with fresh scent
Specific Gravity: approximately 0.998
Boiling Point: 212°F/100°C
Vapor Density (Air=1): Heavier than air

SECTION IV – Fire & Explosion Data

Flash Point (Method Used): 200°F/ 93°C (PMCC)
Flammable Limits: Not Determined
Extinguishing Media: CO₂, dry chemicals, foam or water type BC or ABC extinguishers.
Special Fire Fighting Procedures: Use self-contained breathing apparatus.
Flammable Limits in Air % by Volume: LEL – Not Determined; UEL – Not Flammable
Unusual Fire and Explosion Hazards: Strong acids and bases react with aluminum to form hydrogen which is explosive if ignited.

SECTION V – Physical Hazards (Reactivity Data)

Stability: Stable
Hazardous Polymerization: Will not occur.

SECTION VI – Health Hazards

Signs and Symptoms of Exposure

Skin: May cause irritation.
Eyes: Causes irritation.
Inhalation – Vapors may irritate respiratory passages.
Ingestion – Not Determined.

Toxicological Information

Alcohol, C12-14, ethoxylated propoxylated: Oral-rat LD50: 3530 mg/kg

SECTION VII – Emergency First Aid Procedures

Routes of Entry

Follow suggestions below. If symptoms persist, consult a physician.
Skin: Wash off skin and remove contaminated clothing.
Eyes: Flush eyes immediately with plenty of water for at least 15 minutes. Consult physician immediately.
Inhalation: Remove to fresh air. Use oxygen or artificial respiration if needed.
Ingestion: If swallowed, consult a physician immediately.

SECTION VIII – Special Precautions, Spill/Leak Procedures and Transportation

Precautions to be taken in Handling and Storing: Avoid overheating or freezing.
Waste disposal method: Dispose of in accordance with all applicable local, state, and federal regulations.
Spill/Leak Procedures: Contain all spills and leaks. Ventilate area. Soak with absorbent. Shovel into waste container. Flush area with water. Spilled material is slippery.
Transportation: Non-hazardous for ground, air or sea.

SECTION IX – Special Protection Information / Control Measures

Eye Protection: Goggles or safety glasses.
Protective Gloves: Use rubber or other protective chemical resistant gloves where contact may occur.
Work/Hygienic Practices: Use common sense for safety.

IMPORTANT

While seller believes that the information contained herein is accurate, such information is offered solely for its customers' consideration and verification under their specific use conditions. This information is not deemed a warranty or representation of any kind for which seller assumes legal responsibility.



24-Hour Emergency No. (U.S.) 1-800-535-5053
(Outside U.S.) 352-323-3500
Questions or Comments? 1-800-325-1881