



M A T E R I A L S A F E T Y D A T A S H E E T

24-Hour Emergency #: (U.S.) 1-800-535-5053 / (Outside U.S.) 352-323-3500

SECTION I: Product & Company Identification

Product Name: **NeutraVAC™**
Catalog Number: **NV800, NV803**
Distributed by: Biotrol
13705 Shoreline Court East
Earth City, MO 63045
1.800.822.8550

SECTION II: Health Hazard Information

Appearance: Colorless liquid with a fresh scent.

Routes of Exposure:

Skin Contact: May cause irritation

Eye Contact: Causes irritation

Inhalation: Vapors may irritate respiratory passages

Ingestion: Not determined

NFPA Ratings: Health (1); Flammability (0); Reactivity (0)

SECTION III: Hazardous Components

Hazardous Components	CAS Number	% by Weight	ACGIH TLV	OSHA PEL
Alkyl dimethyl benzyl ammonium chloride (C12-18)	68391-01-5	<5%	ND	ND
Alkyl dimethyl ethylbenzyl ammonium chloride (C12-18)	68956-79-6	<5%	ND	ND
Ethanol	64-17-5	<1%	1000 ppm	1000 ppm
Alcohol, C12-14, ethoxylated propoxylated	68439-51-0	<1%	NA	NA

SECTION IV: First Aid Procedures

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 V: Fire Fighting Measures

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 VI: Accidental Release Measures

In case of spill: Contain all spills and leaks and ventilate the accident area. Cover with absorbent and shovel into waste container. Flush area with water. Spilled material is slippery.

SECTION VII: Handling and Storage

Avoid heating or freezing. Keep out of reach of children.

SECTION VIII: Personal Protection

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.

SECTION IX: Physical and Chemical Properties

Solubility in Water: Complete

Specific Gravity: ~0.998

pH: 7-8

Boiling Point: 212°F/100°C

Vapor Pressure (mm Hg): Like water

Vapor Density (Air=1): Heavier than air

Freezing Point: Not Determined

Physical State, Appearance and Odor: Colorless with fresh scent

SECTION X: Stability and Reactivity

Stability: Stable

Hazardous Polymerization: Will not occur.

SECTION XI: Toxicological Information

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

SECTION XII: Ecological Information

N/A

SECTION XIII: Disposal Considerations

Dispose of in accordance with all applicable local, state, and federal regulations.

SECTION XIV: Transport Information

Non-hazardous for ground, air, or sea.

SECTION XV: Regulatory Information

N/A

SECTION XVI: Other Information

N/A

The information contained herein is provided in good faith and is believed to be correct as of the date hereof. However, Biotrol makes no recommendation as to the comprehensiveness or accuracy of the information. It is expected that individuals receiving the information will exercise their independent judgment in determining its appropriateness for particular purpose.

NO REPRESENTATIONS, OR WARRANTIES, EITHER EXPRESSED OR IMPLIED OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER NATURE ARE MADE HEREUNDER WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR TO THE PRODUCT TO WHICH THE INFORMATION REFERS.
