

MATERIAL SAFETY DATA SHEET**MSDS #920****Identity: 16% Dual-Quat****Page 1 of 2**
Product Code:**Section I – Supplier Information:****Emergency Telephone Number:**

Vétoquinol USA (TOMLYN PRODUCTS, EVSCO PHARMACEUTICAL, Vet Solutions)
Address: 4250 N. Sylvania Ave. 1-800-285-0508
Fort Worth TX 76137

Section II – Hazardous Ingredients/ Identity Information

Hazardous Components	OSHA PEL	ACGIH TVL	STEL	CAS#	%(opt)
Water				7732-18-5	to 100%
n-Alkyl dimethyl benzyl ammonium chloride				8001-54-5	5-10%
Didecyldimethyl ammonium chloride				7173-51-5	5-10%
Tetrasodium EDTA				54-02-8	0-5%
Ethoxylate Nonylphenol				9016-45-9	0-5%
Amine Oxide				64878-65-9	5-10%
Sodium Hydroxide	2mg/m3	2mg.m3		1310-73-2	0-5%

Section III – Physical/Chemical Characteristics

Boiling Point:	212 °F
Specific Gravity: (H ₂ O = 1)	1.000
Vapor Pressure (mm Hg):	20 @68°F
Melting Point:	Not Applicable
Vapor Density (Air = 1):	Not Applicable
Evaporation Rate (butyl acetate = 1):	Not Applicable
Solubility in water:	Complete
Appearance and Odor:	Blue Liquid with a characteristic aroma

Section IV – Fire and Explosion Hazard Data

Flash Point (method used)	
Flammable Limits:	LEL: Not Applicable UEL: Not Applicable
Extinguishing Media:	Water Spray, dry chemical, carbon dioxide, or foam suitable for the surrounding fire and materials
Unusual Fire and Explosion Hazards:	May emit toxic fumes under fire conditions.

Section V – Reactivity Data

Stability:	STABLE
Incompatibility:	None
Hazardous Decomposition or Byproducts:	
Hazardous Polymerizations:	WILL NOT OCCUR
Conditions to Avoid:	None Known.

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Section VI – Health Hazard Data

Routes of Entry: Inhalation? NO Skin? Yes Ingestion? Yes
Health Hazards (Acute and Chronic): Skin: Sensitization: Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals and or dermatitis
Eye Contact: Irritant. Liquid and Mist may damage the eyes and cause corneal injury
Ingestion: May be irritating to the mouth, throat, and gastrointestinal system. Vomiting and diarrhea expected with large doses.
Carcinogenicity: NTP? NO IARC Monograph? NO OSHA Regulated? NO
Signs and Symptoms of Exposure: see above
If inhaled material may be irritating to mucous membranes and upper respiratory tract.
May be harmful if swallowed.
Medical Conditions Generally Aggravated by Exposure: None presently known.
Emergency and First Aid Procedures:
INGESTED: DO NOT INDUCE Vomiting. Drink large quantities of water to dilute and seek medical attention
SKIN CONTACT: Wash affected areas promptly and thoroughly with soap and water, rinse thoroughly.
If irritation occurs, get medical attention.
EYE CONTACT: Immediately rinse eyes with water holding eyes open and rinse slowly with water for 15-20 minutes. Remove Contact Lenses. Seek medical attention.
INHALATION: unlikely to occur

Section VII – Precautions for Safe Handling and Use

Steps to be taken in Case Material is Released or Spilled: Exercise appropriate precaution to minimize direct contact with skin/or eyes and prevent vapor inhalation. Absorb on sand, vermiculite or wood shavings and place in closed containers for disposal. Ventilate area and wash spill after material is completely picked up.
Waste Disposal Method: Dispose of in accordance with all applicable federal, state and local laws.
Precautions to be Taken in Handling and Storage: Avoid contact with eyes, skin and clothing.
Store in closed Containers-Empty containers contain residue. Do not re-use to store food, clothing or products for human or animal use
Do not freeze.
Other Precautions: Keep out of the reach of children, Wash hands after using product. Good practices require that gross amounts of any chemical be removed from the skin as soon as practical, especially before eating or smoking.

Section VIII – Control Measures

Respiratory Protection: Not necessary under recommended conditions of use.
Ventilation: Local Exhaust: Adequate
Special: Adequate
Mechanical (general): Not Applicable
Protective Gloves: Water proof gloves recommended
Eye Protection: Safety glasses are recommended
Other Protective Clothing or Equipment: None generally required.
Work Hygienic Practices: When using, do not eat, drink or smoke.
Wash hands after using.

Section IX – Additional Information

Tomlyn Products, Evsco Pharmaceuticals and Vet Solutions are registered trademarks of Vétoquinol USA.

Disclaimer of Expressed and Implied Warranties: This information is provided in good faith but without express or implied warranty. Buyer assumes all responsibilities for safety and use not in accordance with label instructions.

Prepared By: NST QA Department
New MSDS Dated: 10 November 2008
Supersedes MSDS Dated: 31 January 2005