

# SAFETY DATA SHEETS

**This SDS packet was issued with item:**

078020034

N/A



**SAFETY DATA SHEET**

(1) **IDENTIFICATION**

**Name:** Equalizer

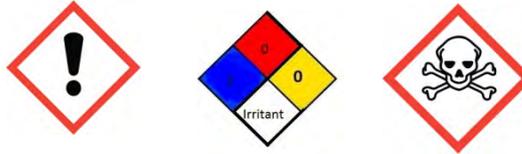
**Use:** Cleaner

**Supplier:** Vetoquinol USA (Tomlyn Products)  
4250 N. Sylvania Ave  
Fort Worth, TX 76137

**Tel:** (817)529-7500  
**Fax:** (817)529-7506

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(2) **HAZARD(S) IDENTIFICATION**



**Hazard Classification:** Irritant, Poison

**SKIN:** may cause skin irritation with prolonged contact  
**EYES:** may cause eye damage.  
**INHALATION:** may cause respiratory irritation with prolonged exposure.  
**INGESTION:** May cause severe irritation to mouth, throat, digestive tract and stomach.  
**May cause death if swallowed and untreated.**

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(3) **COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical	Common Name: 16% Dual Quat % Concentration	CAS	Exposure
2-Butoxyethanol		111-76-2	Not Assigned
Isopropanol		67-63-0	Not Assigned
Nitrous Oxide		10028-97-2	Not Assigned

(4) **FIRST AID MEASURES**

<b><u>Exposure Route</u></b>	<b><u>Symptom</u></b>	<b><u>Treatment</u></b>
<b>INHALATION</b>	Irritation to nose, throat, lungs, respiratory tract.	Remove to fresh air. If symptoms of coughing, choking or wheezing prove troublesome, or recovery is not rapid, seek medical attention.
<b>SKIN CONTACT</b>	May cause irritation, especially under moist conditions.	Drench skin with plenty of water. Remove contaminated clothing. If irritation persists after rinsing with water, consult a medical advisor.
<b>EYE CONTACT</b>	Strong irritation, corrosion.	Rinse thoroughly with clean water or buffered eye wash for at least 15 minutes. Obtain medical attention.
<b>INGESTION</b>	May cause severe irritation to mouth, throat, digestive tract and stomach. May cause death	Do NOT induce vomiting. Drink plenty of water (or milk) if conscious. Obtain immediate medical attention. Contact

(5) **FIRE-FIGHTING MEASURES****Suitable****Extinguisher:** FOAM, DRY POWDER, WATER, CO<sub>2</sub>**Special Precautions:** The Equalizer itself is not flammable, but may assist combustion of other materials under exceptional circumstances, e.g. when involved in a fire.**Special Protective Equipment:** Fire-fighting personnel are required to wear self contained breathing apparatus in the event of a fire involving the equalizer, since release of Sulphur dioxide gas may occur.(6) **ACCIDENTAL RELEASE PROCEDURES****Personal Precautions:** Wear protective equipment (see section 8).**Environmental precautions:** Do not allow to enter drains or water courses. Small quantities (<1kg) however may be diluted to waste via a treatment facility with large quantities of water. Observe local restrictions.**Methods for Cleaning up:** Stop discharge and contain material. Substantial quantities may be recovered with a vacuum pump. Use absorbent materials to capture spills, and place in suitable container. Wash thoroughly with soap and water.

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(7) **HANDLING AND STORING**

**Precautions during handling:** Handle with sufficient care. Wear protective clothing. (see section 8). Where significant dust formation occurs (e.g. when handling bulk quantities) the use of a suitable dust mask may be required (see section 8). Keep pressurized cans away from extreme heat.

**Storage:** Keep containers tightly sealed and avoid coming into contact with moisture, during storage. Keep away from combustible material.

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(8) **EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering measures:** Appropriate Local Exhaust Ventilation (L.E.V.) is necessary for handling the product in situations where dust formation is a problem ie. product in bulk quantities. Not normally necessary for preparation of solutions from 50g, 2.5kg, 1kg and 5kg packs.

**Personal Protection:**

**Respiratory:** When working in mists product, respiratory protection in the form of a type AP (organic vapour - particulate matter) filter is recommended.

**Hand:** Rubber gloves

**Eye:** Goggles or face-shield

**Skin:** Overalls may be required for dealing with large spills or when handling the product in large quantities.

(9) **PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance/Odor:** Clear liquid with distinct ammonia like smell.

**pH:** 8.6-10.0

**Boiling point/Range:** >31°F

**Flash Point:** Not applicable.

**Explosive properties:** Not applicable.

**Oxidising properties:** Not oxidising.

**Specific gravity:** 1.200

**Solubility (water at 20°C):** soluble

(10) **STABILITY AND REACTIVITY**

**Stability:** Stable under normal conditions.

**Conditions to avoid:** Aerosol cans are under pressure, exposure to temperatures in excess of 120°F may cause a bursting of can.

**Materials to avoid:** Combustible materials, open flames

**Hazardous decomposition products:** CO and CO<sub>2</sub>

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(11) **TOXICOLOGICAL INFORMATION**

**TEST DATA**

**Skin irritation:** Irritant Prolonged or excessive exposure may cause dermatitis

**Eye irritation:** Irritant Liquid and mist may cause corneal damage.

**Human experience:** The product is a strong eye irritant, moderate irritant to skin and inhalation of mist.

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(12) **ECOLOGICAL INFORMATION**

**Persistence and degradability:** No data is available. However, based on evaluation of its components this product is not expected to display long term adverse effects in the aquatic environment.

**Bioaccumulation:** Not noted.

**Aquatic toxicity:** Harmful to aquatic organisms.

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(13) **DISPOSAL CONSIDERATIONS**

**Disposal of product and Packaging:** Dispose of in accordance with all applicable state, local, and federal laws.

(14)

**TRANSPORT INFORMATION**

**U.N. Number:** None assigned  
**(CDG-CPL):** Not classified  
**Sea (IMDG):** Not classified  
**Road/Rail (RID/ADR):** Not classified  
**Class Number:** None assigned  
**Packing Group:** None assigned  
**Proper Shipping Name:** Not applicable  
**Marine Pollutant:** No

(15)

**REGULATORY INFORMATION**

**Symbol:** Irritant (Xi) Poison

**Irritant**

**R-Phrases:** **R38** Irritating to skin.  
**R41** Risk of serious damage to eyes.  
**R52** Harmful to aquatic organisms.

**S-Phrases:** **S2** Keep out of reach of children  
**S24/25** Avoid contact with skin and eyes  
**S26** In case of contact with eyes, rinse immediately with plenty of water, seek medical advice.

(16)

**OTHER INFORMATION**

**Uses:** Disinfectant/Cleaning agent

**Further product information:** Consult Equalizer technical leaflet or Vetoquinol USA website [www.vetoquinolUSA.com](http://www.vetoquinolUSA.com) for further information.

**Prepared by:** James Spiezio, DVM  
Scientific Affairs Manager  
Vetoquinol USA

**SDS Dated:** 09, october 2014  
**Supersedes:** MSDS dated 10, November 2008

**TELEPHONE NUMBER:** (817)529-7500 **Poison Control: 800-222-1222**

**MATERIAL SAFETY DATA SHEET**

MSDS #

Identity: Equalizer

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Product Code: 30521-01420

**Section I – Supplier Information:****Emergency Telephone Number:**

Vétoquinol USA (TOMLYN PRODUCTS, EVSCO PHARMACEUTICAL, Vet Solutions) 1-800-285-0508

Address: 4250 N. Sylvania Ave.  
Fort Worth TX 76137**Section II – Hazardous Ingredients/ Identity Information**

Hazardous Components	OSHA PEL	ACGIH TVL	STEL	CAS#	%(opt)
*2-Butoxyethanol (111-76-2)	25ppm TWA	25ppm TWA	3%		
Isopropanol (67-63-0)	400ppm	400ppm			
Nitrous Oxide (10028-97-2)	NE ppm TWA	50ppm TWA			

(\*This Chemical is subject to the reporting requirement of SARA section 313)

**Section III – Physical/Chemical Characteristics**

Boiling Point:	>31°F
Specific Gravity: (H <sub>2</sub> O = 1)	1.2
Vapor Pressure (mm Hg):	at 70°F 35 psi
Melting Point:	Not Applicable
Vapor Density (Air = 1):	<1
Evaporation Rate (butyl acetate = 1):	<1
Solubility in water:	soluble
Appearance and Odor:	White Foamable Spray with Lemon scent

**Section IV – Fire and Explosion Hazard Data**

Flash Point (method used)	
Flammable Limits:	LEL: Not Applicable UEL: Not Applicable
Extinguishing Media:	Water Fog, dry chemical, carbon dioxide, or foam. Self-contained respiratory protection should be provided for firemen fighting in confined areas.
Unusual Fire and Explosion Hazards:	Aerosol cans are under pressure, exposure to temperatures in excess of 120°F may cause a bursting of can..

**Section V – Reactivity Data**

Stability:	STABLE
Incompatibility:	Strong oxidizers and alkalies.
Hazardous Decomposition or Byproducts:	Burns to form CO and CO <sub>2</sub> .
Hazardous Polymerizations:	WILL NOT OCCUR
Conditions to Avoid:	High Temperatures and Open flames

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**MATERIAL SAFETY DATA SHEET**

MSDS #

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**Product Code: 30521-01420**

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**Section VI – Health Hazard Data**

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Routes of Entry: Inhalation? Yes	Skin? Yes	Ingestion? Yes
Health Hazards (Acute and Chronic):	Prolonged and repeated over exposure to the high concentrated mist irritates the eye, mucous membranes and respiratory tract. Contact with skin may cause mild irritation.	
Carcinogenicity: NTP? NO	IARC Monograph? NO	OSHA Regulated? NO
Signs and Symptoms of Exposure:	Exposure to skin may cause redness and irritation. If aspirated it may be rapidly absorbed by the lungs and have systemic effects including dizziness, fatigue and nausea.	
Medical Conditions Generally Aggravated by Exposure:	None presently known.	
Emergency and First Aid Procedures:		
INGESTED:	If swallowed induce vomiting, call a physician or the Poison Control Center.	
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, if persistent after the first 5 minutes. If irritation persists, call a Poison Control Center or doctor for treatment.	
INHALATION:	Give oxygen if inhaled.	

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**Section VII – Precautions for Safe Handling and Use**

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Steps to be taken in Case Material is Released or Spilled:	Clean area with inert absorbent material and collect for disposal.
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 at room temperature. Keep away from heat sparks, open flame, or direct sunlight. Do not puncture or incinerate. Do not freeze.
Other Precautions:	Keep out of the reach of children, Wash hands after using product. Good practices require that gross amounts of <b>any chemical</b> be removed from the skin as soon as practical, especially before eating or smoking. Intentional misuse by deliberately concentrating and inhaling vapor contents can be harmful or fatal.

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**Section VIII – Control Measures**

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

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**Section IX – Additional Information**

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**DOT Shipping Information:** Shipping Name: Consumer Commodity, Pressurized Aerosol Cans.

Hazard Class: ORM-D

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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: JPS QA Department

New MSDS Dated: 10 November 2008

Supersedes MSDS Dated: 07 Feb. 2001