

# MATERIAL SAFETY DATA SHEET

## VIONEXUS

### No Rinse Spray

#### 1 - IDENTIFICATION

**Distributor:** Metrex Research Corporation  
**Address:** 28210 Wick Road  
**City, State, Zip:** Romulus, MI 48174  
**Telephone:** 1-800-841-1428  
**Emergency:** Chemtrec 1- 800-424-9300  
**Date Prepared:** January 2, 2007

#### 2 - COMPOSITION INFORMATION

##### Hazardous Ingredients

	<u>CAS #</u>	<u>PEL</u>	<u>TLV</u>	<u>%</u>
Ethanol (SDA 23A) *	64-17-5	1500 ppm	1500 ppm	65.87
* Acetone	67-64-1	1000 ppm	750 ppm	5.56
Benzalkonium-Cl	68424-85-1	N/A	N/A	0.10

##### Other Ingredients

Water and glycerin

#### 3 - PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** 83 °C  
**Specific Gravity (H<sub>2</sub>O = 1):** 0.87  
**Vapor Pressure (mm Hg):** N/A  
**Vapor Density (AIR = 1):** N/A  
**Evaporation Rate:** Similar to alcohol  
**Solubility in Water:** 100%  
**Appearance and Odor:** Clear liquid with mild alcohol odor

#### 4 - FIRE AND EXPLOSION HAZARD DATA

**Flash Point (Method Used):** 77 °F, Open Cup  
**Flammable Limits:** LEL: 5.5 UEL: 15  
**Extinguishing Media:** Dry chemical, alcohol foam, carbon dioxide  
**Auto-ignition temperature:** >685 °F  
**Special Fire Fighting Procedures:** None  
**Unusual Fire or Explosion Hazards:** None

#### 5 - REACTIVITY DATA

**Stability:** Stable at room temperature for at least 5 years in a tightly closed container.  
**Conditions to Avoid:** High heat, sparks, flame, and all other ignition sources  
**Incompatibility (Material to Avoid):** Acetyl chloride and strong oxidizing agents  
**Hazardous Polymerization:** None likely  
**Hazardous Decomposition Products:** Carbon monoxide can form upon incomplete combustion

#### 6 - HEALTH HAZARD DATA

**Routes of Entry:**  
**Skin:** Causes no skin irritation if used as directed.  
**Eyes:** May cause irritation.  
**Inhalation:** May cause irritation of the throat and esophagus. Exposure to over 1500 ppm may cause headache, drowsiness, loss of appetite and inability to concentrate.  
**Ingestion:** Can cause depression of central nervous system, nausea, vomiting, and diarrhea.  
**Carcinogenicity -** NTP: No  
**IARC Monographs:** No OSHA Regulated Carcinogen: No

#### 7 - EMERGENCY FIRST AID PROCEDURES

**Skin:** None  
**Eyes:** Flush eyes with cool water for at least 15 minutes and get medical attention.  
**Inhalation:** Remove to fresh air. If victim has stopped breathing, give artificial respiration. Get medical attention.  
**Ingestion:** If victim is conscious and able to swallow, have victim drink water or milk. Get medical attention.

#### 8 - PRECAUTIONS FOR SAFE HANDLING & USE

**Steps to be taken in case material is released or spilled:** In case of large spills, wear appropriate respiratory protection. Soak up liquid with absorbent material. Transfer to secure containers for disposal.  
**Waste Disposal Method:** Dispose of waste in accordance with all federal, state, and local regulations.  
**Precautions to be taken in handling and storing:** Store in a cool place away from areas of high heat, flames, or potential sparks. Use according to directions.

#### 9 - CONTROL MEASURES

**Respiratory Protection (Specify Type):** Use NIOSH/MSHA approved respiratory protection equipment where exposure is likely to exceed acceptable criteria.  
**VENTILATION:**  
**Local Exhaust:** Not necessary  
**Mechanical (General):** Should be sufficient  
**Protective Gloves:** N/A  
**Eye Protection:** Chemical safety goggles are recommended.

#### 10 - TRANSPORTATION INFORMATION

**DOT:**  
Containers not exceeding 1.0 liter qualify for the Consumer Commodities exception. (See 49CFR 173.150(c))

##### IATA, IMO:

**Proper Shipping Name:** Ethanol Solution  
**Hazard Class:** 3  
**Identification Number:** 1170  
**Packaging Group:** III  
**Label:** Flammable Liquid

#### 11 - SPECIAL INFORMATION

**HMIS (Hazardous Material Identification System) Rating:**  
H0 F2 R0  
[HMIS Hazard Index: 4 – Severe Hazard; 3 – Serious Hazard;  
2 – Moderate Hazard; 1 – Slight Hazard; 0 – Minimum Hazard]