

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: November 28, 2001

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	0.08

Other Ingredients

Water and glycerin

3 - PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 83 °C
Specific Gravity (H₂O = 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

In individual containers not exceeding 1.0 liters, this product is exempt from DOT restrictions (See 49 CFR 173.150 (c)).

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]

Note: This MSDS was prepared in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1200) and is to be used only for this product. The information contained in this MSDS is, to the best of our knowledge, believed to be accurate.