

## SAFETY DATA SHEET

### Section 1. Product And Company Identification

**Product Name:** VioNex™ No Rinse Gel

**Product Use:** Antiseptic Handwash

**Manufacturer:** METREX™ RESEARCH  
28210 Wick Rd  
Romulus, MI 48174  
U.S.A.

**Information Phone Number:** 1-800-841-1428 (Customer Service)

**Chemical Emergency Phone Number (Chemical Spills, Leaks, Fire, Exposure or Accident only):**  
CHEMTREC 1-800-424-9300 (in the US) 1-703-527-3887 (Outside the US)

**SDS Date Of Preparation/Revision:** November 17, 2014

### Section 2. Hazards Identification

**GHS / HAZCOM 2012 Classification:**

Eye Irritation Category 2A

**Label Elements**

**WARNING!**



Hazard Phrases

Flammable liquid and vapor.  
Causes serious eye irritation.

Precautionary Phrases

Keep away from heat, sparks, open flames, and hot surfaces. No smoking.  
Keep container tightly closed.  
Ground and bond container and receiving equipment  
Use explosion-proof electrical, ventilating and lighting equipment.  
Use only non-sparking tools.  
Take precautionary measures against static discharge.  
Wash thoroughly after handling.  
Wear protective gloves and eye protection.  
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.



If eye irritation persists get medical attention.  
In case of fire: Use ... to extinguish.  
Store in a well-ventilated place. Keep cool.  
Dispose of contents and container in accordance with local and national regulations.

**Other Hazards:** None identified

**Section 3. Composition/Information On Ingredients**

Component	CAS No./ EC No.	Amount
Water and non-hazardous ingredients	Mixture	75-95%
Ethanol	64-17-5	5-15%
Surfactant	Proprietary	<2

**Section 4. First Aid Measures**

**Inhalation:** If irritation occurs, remove to fresh air. Get medical attention if symptoms persists.

**Skin Contact:** This product is intended to contact the skin. If irritation develops, discontinue use and get medical advice.

**Eye Contact:** Immediately flush eyes with water, holding the eyelids apart. Get medical attention if irritation persists.

**Ingestion:** Not acutely toxic. If swallowed, rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

**Most Important symptoms and effects, both acute and delayed:** Causes eye irritation. Ingestion may cause mild gastrointestinal irritation and nausea.

**Indication of any immediate medical attention and special treatment needed:** No immediate medical attention is required.

**Section 5. Firefighting Measures**

**Suitable (and Unsuitable) Extinguishing Media:** Use water spray, carbon dioxide, alcohol foam or dry chemical. Cool fire exposed containers with water.

**Special Hazards Arising from the Chemical:** This product is flammable and forms explosive mixtures with air. Vapors are heavier than air and will travel along surfaces to remote ignition sources and flash back. Closed containers may explode if exposed to extreme heat. Combustion may produce carbon monoxide and carbon dioxide.

**Special Protective Equipment and Precautions for Fire-fighters:** Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored.

**Section 6: Accidental Release Measures**



**Personal Precautions, Protective Equipment and Emergency Procedures:** Wear appropriate protective clothing and equipment. Remove all sources of ignition. Ventilate area with explosion proof equipment.

**Environmental Precautions:** Avoid release to the environment. Report spill as required by local and federal regulations.

**Methods and Material for Containment and Cleaning Up:** Rinse to sewer with water or wipe up with a paper towel or other absorbent material place in container for disposal.

**Section 7. Handling and Storage**

**Precautions for Safe Handling:** Avoid contact with eyes. Avoid breathing vapors. Keep product away from heat, sparks, flames and all other sources of ignition.

**Conditions for Safe Storage, Including any Incompatibilities:** Store at room temperature. Store in a dry, well ventilated area away from heat, direct sunlight and all sources of ignition.

**Section 8. Exposure Controls/Personal Protection**

**Exposure Limits**

Chemical	Exposure Limit
Ethanol	1000 ppm STEL ACGIH TLV 1000 ppm TWA OSHA PEL
Surfactant	None Established

**Appropriate Engineering Controls:** General ventilation should be adequate for normal use.

**Personal Protective Measurers**

**Respiratory Protection:** None under normal use conditions with adequate ventilation. For operations where the occupational exposure limits are exceeded, an approved respirator with an organic vapor cartridges or supplied air respirator is recommended. Equipment selection depends on contaminant type and concentration. Select in accordance with applicable regulations and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.

**Hand protection:** This product is intended to contact the skin.

**Eye Protection:** None normally required. Safety glasses or goggles recommended when handling large amounts and eye contact is possible.

**Skin Protection:** This product is intended to contact the skin.

**Hygiene measures:** None normally needed.

**Section 9. Physical and Chemical Properties**

<b>Appearance:</b>	Opaque white viscous gel	<b>Vapor Pressure:</b>	Not available
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<b>Odor:</b>	Medicinal odor.	<b>Vapor Density:</b>	Not available
<b>Odor Threshold:</b>	Not determined	<b>Relative Density /Specific Gravity:</b>	0.98
<b>pH:</b>	Not available	<b>Solubility in Water:</b>	Complete
<b>Melting/Freezing Point:</b>	Not available	<b>Partition Coefficient: (n-octanol/water)</b>	Not available
<b>Initial Boiling Point/Range:</b>	172.9°F / 78.3°C (ethanol)	<b>Auto-ignition Temperature:</b>	Not available
<b>Flash Point:</b>	128°F / 53.3°C TCC	<b>Decomposition Temperature:</b>	Not available
<b>Evaporation Rate:</b>	Not available	<b>Viscosity:</b>	Not determined
<b>Flammability: (solid/gas)</b>	Not flammable	<b>Explosive Properties:</b>	None
<b>Flammable/ Explosive Limits:</b>	LEL: 3.3% (ethanol) UEL: 19% (ethanol)	<b>Oxidizing Properties:</b>	None

**Section 10. Stability and Reactivity**

**Reactivity:** Not reactive at ambient temperatures.

**Chemical Stability:** Stable

**Possibility of Hazardous Reactions:** Not reactive.

**Conditions To Avoid:** Keep away from heat, sparks and all sources of ignition.

**Incompatible Materials:** Avoid contact with oxidizing agents.

**Hazardous Decomposition Products:** Thermal decomposition may produce carbon monoxide and carbon dioxide.

**Section 11. Toxicological Information**

**Potential Health Effects:**

**Inhalation:** Inhalation of vapors may cause mild nose and throat irritation. High vapor concentrations may cause headache, dizziness, drowsiness and other central nervous system effects.

**Skin Contact:** This product is intended to contact the skin. Prolonged skin contact may cause drying of the skin.

**Eye Contact:** Causes irritation with tearing, redness and pain.

**Ingestion:** Ingestion may cause gastrointestinal disturbances including nausea and vomiting.

**Chronic Hazards:** Ethanol is known to cause developmental toxicity when intentionally ingested during pregnancy.

**Mutagenicity:** Ethanol was negative in mutagenic tests in bacteria and animals.

**Carcinogenicity:** None of the components is listed as a carcinogen or potential carcinogen by IARC, NTP or OSHA.

**Reproductive Toxicity:** Repeated ingestion of ethanol by pregnant mothers has been shown to adversely affect the central nervous system of the fetus, resulting in fetal alcohol syndrome. These



effects include mental and physical retardation, disturbances of learning, motor and language deficiencies, behavioral disorders and small head size.

**Acute Toxicity Values:** Estimated Acute Toxicity (ATE) Oral: 50,000 mg/kg, Dermal >2,000 mg/kg  
Ethanol: Oral rat LD50 7,060 mg/kg; Inhalation rat LC50 124.7 mg/L/4hr  
Surfactant: Oral rat LD50 960-3980 mg/kg, Dermal rabbit LD50 >2000 mg/kg, Inhalation rat LC50 1.15 mg/L/4 hr

**Section 12. Ecological Information**

**Toxicity:** No toxicity data available for product  
Ethanol: 96 hr LC50 Pimephales promelas 3.8-6.2 g/L; 48 hr LC50 daphnia magna 9.3-21.4 mg/L ; 48 hr EC50 Chlorella pyrenoidosa 9310 mg/L  
Surfactant: 96 hr LC50 pimephales promelas 3.8-6.2 mg/L, 48 hr EC50 daphnia magna 9.3-21.4 mg/L

**Persistence and Degradability:** Ethanol is readily biodegradable. Surfactant is not readily biodegradable.

**Bioaccumulative Potential:** Ethanol has a BCF of 3. This product is not expected to bioaccumulate. Surfactant has a BCF 5.9-48.

**Mobility in Soil:** Ethanol is expected to be highly mobile in soil.

**Other Adverse Effects:** None known.

**Section 13. Disposal Considerations**

**Solution Disposal:** Dispose of in accordance with Federal, State, and local regulations.  
**Container Disposal:** Offer for recycling, if available. If recycling is not available, discard in trash.

**Section 14. Transport Information**

	UN Number	UN Proper Shipping Name	Transport Hazard Class(es)	Packing Group	Environmental Hazards
<b>US DOT</b>	None	Not Regulated per alcohol exception (49CFR 173.150(e))	None	None	None
<b>EU ADR/RID</b>	UN1170	Ethanol Solution	3	III	None
<b>IMDG</b>	UN1170	Ethanol Solution	3	III	None
<b>IATA/ICAO</b>	UN1170	Ethanol Solution	3	III	None

**Transport in Bulk According to Annex III MARPOL 73/78 and the IBC Code:** Not applicable – product is transported only in packaged form.

**Special Precautions for User:** None identified

**Section 15. Regulatory Information**

**US Regulations**



**EPA SARA 311/312 Hazard Classification:** Fire Hazard, Acute Health

**EPA SARA 313:** This Product Contains the Following Chemicals Subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): None

**Protection Of Stratospheric Ozone:** This product is not known to contain or to have been manufactured with ozone depleting substances as defined in 40 CFR Part 82, Appendix A to Subpart A.

**CERCLA SECTION 103:** This product is not subject to CERCLA reporting requirements; however, many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**California Prop 65:** This product may contain a chemical known to the State of California to cause cancer or birth defects or other reproductive harm .

### International Inventories

**US EPA TSCA Inventory:** All of the components in this product are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory or exempt.

**Canadian Environmental Protection Act:** All of the components in this product are listed on the Domestic Substances List (DSL) or exempt.

**European Union:** All the components in this product are listed on the EINECS inventory or exempt.

**Australia:** All of the components in this product are listed on the Australian Inventory of Chemical Substances (AICS) or exempt.

**China:** All the components in this product are listed in the Inventory of Existing Chemical and Substances in China (IECSC).

<b>16. Other Information</b>
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NFPA Rating: Fire: 2                      Health: 2                      Instability: 0

The information and recommendations set forth herein are taken from sources believed to be accurate as of the date of preparation, however, METREX™ RESEARCH makes no warranty with respect to the accuracy or suitability of the recommendations, and assumes no liability to any use thereof.

**Effective Date:** November 14, 2014

**Supersedes Date:** February 2007

**Revision Summary:** All sections. Converted to GHS format