



## MATERIAL SAFETY DATA SHEET

### 1. Product And Company Identification

**Product Name:** VioNex™ Antimicrobial Liquid Soap

**Manufacturer:** METREX™ RESEARCH  
1717 W. Collins Ave.  
Orange, CA 92867  
U.S.A.

**Imported by:** Sybron Canada LP  
250 First Gulf Boulevard  
Brampton, Ontario L6W 4T5  
(905) 796-3365

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

**Chemical Emergency Phone Number (Chemical Spills, Leaks, Fire, Exposure or Accident only):**

Chamtrec 1-800-424-9300 (in the US)  
(Canada) – Canutec: 1 (613) 996-6666

**MSDS Date of Preparation/Revision:** 7/14/2015

**Product Use:** Hand Disinfecting Soap  
DIN: 02238251

### 2. Composition Information

HAZARDOUS INGREDIENTS	CAS N.	LD50 Oral	LC50	%
AOS 40	68439-57-6	5989 mg/kg	N/A	10 – 30
Ethylene Glycol Stearate	111-60-4	>5000 mg/kg	N/A	1 – 5
Cocamide Diethanolamine	68603-42-9	N/A	N/A	1 – 5
Ethanol	64-17-5	7000 mg/kg	124700 mg/m <sup>3</sup> Inhalation vapor	0.1 – 1

### 3. Hazard Identification

**When used according to instructions, the product applicable to this MSDS is safe and presents no immediate or long-term health hazard. However, abnormal entry routes, such as gross ingestion, may require immediate medical attention.**

**CPR/WHMIS:** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the Controlled Products Regulations.

**WHMIS:** Class: D-2B: Material causing other toxic effects (Toxic)

**Hazard Statements:** Causes respiratory tract and eye irritation. Contains material that may cause target organ damage, based on animal data.



**Precautions:** Avoid breathing vapor or mist. Avoid contact with eyes.  
**Routes of Entry:** Eye Contact. Inhalation.

**Potential Acute Health Effects if Misused:**

**Inhalation:** Irritating to respiratory system. Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.  
**Ingestion:** No known significant effects or critical hazards.  
**Skin:** No known significant effects or critical hazards.  
**Eyes:** Irritating to eyes.

**Potential chronic health effects with Chronic Misuse of Product:**

**Chronic health effects:** Contains material that can cause target organ damage based on animal data.  
**Target organs:** Contains material which may cause damage to the following organs: upper respiratory tract, eye, lens or cornea.

**Carcinogenicity Classification:** No known significant effects or critical hazards.

**Mutagenicity:** No known significant effects or critical hazards.

**Teratogenicity:** No known significant effects or critical hazards.

**Developmental effects:** No known significant effects or critical hazards.

**Fertility effects:** No known significant effects or critical hazards.

<b>4. Emergency First Aid Procedures</b>
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**Skin:** In case of irritation, discontinue use and seek medical attention if the condition persists.

**Eyes:** Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

**Inhalation:** Remove to fresh air. If victim has stopped breathing, give artificial respiration. Get medical attention.

**Ingestion:** Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention if symptoms persist.

**Note to physician:** No specific treatment. Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

<b>5. Fire and Explosion Hazard Data</b>
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**Flammability of the product:** Not flammable. In a fire or if heated, a pressure increase will occur and the container may burst.



**Extinguishing media:**

**Suitable:** Carbon dioxide, water spray or fog, dry chemical.

**Special exposure hazards:**

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Hazardous thermal decomposition products:**

Decomposition products may include the following materials: Carbon dioxide, carbon monoxide, nitrogen oxides, halogenated compounds and metal oxides.

**Special Fire Fighting Procedures:**

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**6: Accidental Release Measures**

**Personal Precautions**

**for significant spill:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate.

**Environmental precautions:**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**Methods for cleaning up:**

**Small spills:** Stop leak if without risk. Move containers from spill area. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spills:**

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

**7. Precautions for Handling and Storage**

**Precautions to be taken in Handling of Small Quantities of Product:** No special precautions necessary.



**Precautions to be taken in Handling of Large Quantities of Product:** Do not ingest. Avoid contact with eyes. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Do not reuse container.

**Precautions to be taken for Storage of Small Quantities of Product:** No special precautions necessary.

**Precautions to be taken for storage of Large Quantities of Product:** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and ventilated area, away from incompatible materials and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

**Other Precautions:** Keep out of reach of children. Avoid eye contact. Avoid contamination of food.

**8. Control Measures**

Occupational Exposure limits	List name	TWA (8 hours)			STEL (15 Mins)			Ceiling		
		ppm	mg/m <sup>3</sup>	Other	ppm	mg/m <sup>3</sup>	Other	ppm	mg/m <sup>3</sup>	Other
<b>Ethanol</b>	US ACGIH 2/2010	-	-	-	1000	-	-	-	-	-
	AB 4/2009	1000	1880	-	-	-	-	-	-	-
	BC 9/2010	-	-	-	1000	-	-	-	-	-
	ON 7/2010	-	-	-	1000	-	-	-	-	-
	QC 6/2008	1000	1880	-	-	-	-	-	-	-
<b>Ethylene Glycol Stearate</b>	US ACGIH 2/2010	-	10	-	-	-	-	-	-	[a]
	AB 4/2009	-	10	-	-	-	-	-	-	[3]
	BC 9/2010	-	10	-	-	-	-	-	-	[a]
	ON 7/2010	-	10	-	-	-	-	-	-	[a]

**Notations:** [3] skin sensitization  
**Form:** [a] Total particulate mass

**Engineering measures:** General ventilation is adequate.

**Work/Hygiene Practices:** Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal Protection:**  
**Hands:** No special protection required.

**Eye protections:** If risk assessment indicates safety eyewear is needed, safety eyewear complying with an approved standard should be used to avoid exposure to liquid splashes, mists or dusts.



**Respiratory:** A respirator is not needed under normal and intended conditions of product use.

**Skin:** In case of irritation or redness, discontinue use and seek medical attention if the condition persists.

**Environmental exposure controls:** Not applicable.

### 9. Physical and Chemical Properties

<b>Physical state:</b>	Liquid. [Viscous ]	<b>Evaporation Rate:</b>	Similar to alcohol
<b>Flash point:</b>	Not available	<b>Relative density:</b>	1.036
<b>Flammable Limits:</b>	Not available	<b>Vapor pressure:</b>	Not available
<b>Auto-ignition temperature:</b>	Not available	<b>Vapor density:</b>	Not available
<b>Color:</b>	Pearlescent Green		
<b>Odor:</b>	Herbal citrus		
<b>pH:</b>	6.8 – 7.8		
<b>Specific Gravity (H<sub>2</sub>O = 1):</b>	Not available		
<b>Boiling/condensation point:</b>	100 to 105°C (212 to 221°F)		
<b>Viscosity: Dynamic:</b>	4000 to 8000 mPa·s (4000 to 8000 cP)		
<b>Melting/freezing point:</b>	Not available		
<b>Solubility:</b>	Easily soluble in the following materials: cold water and hot water.		

### 10. Stability and Reactivity

**Stability:** The product is stable.

**Conditions To Avoid:** No specific data.

**Incompatibility & Reactive materials, (Material to Avoid):** Reactive or incompatible with the following materials: oxidizing reducing materials, metals, acids and alkali.

**Hazardous Decomposition:** Under normal conditions of storage and use, hazardous decomposition products should not occur

**Hazardous Polymerization:** Under normal conditions of storage and use, hazardous polymerization will not occur.



**11. Toxicological Information**

**Acute toxic:**

Product/ingredient name	Result	Species	Dose	Exposure
Ethanol	LC50Inhalation Vapor	Rat	124700 mg/m <sup>3</sup>	-
	LD50 Oral	Rat	7 g/kg	-
Ethylene Glycol Stearate	LD50 Oral	Rat	>5000 mg/kg	-

**Irritation/Corrosion**

Product/ingredient name	Result	Species	Score	Exposure
Ethanol	Eyes - Moderate irritant	Rabbit	-	0.066666667 Minutes 100 Milligrams
	Eyes - Moderate irritant	Rabbit	-	100 microliters
	Eyes - Severe irritant	Rabbit	-	500 milligrams
	Skin - Mild irritant	Rabbit	-	400 milligrams
Ethylene Glycol Stearate	Skin – Mild irritant	Human	-	24 hours 100 milligrams
Cocamide Diethanolamine	Eyes – Mild irritant	Rabbit	-	100 microliters
	Skin – Mild irritant	Rabbit	-	300 microliters

**Sensitizer:** Not available.

**Carcinogenicity Classification:**

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
Ethylene Glycol Stearate	A4	-	-	-	-	-

**Mutagenicity:** Not available.

**Teratogenicity:** Not available.

**Reproductive Toxicity:** Not available.

**12. Ecological Information**

**Ecotoxicity:** No known significant effects or critical hazards.

**13. Disposal Considerations**

**Waste Disposal:** The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.



**14. Transport Information**

TDG/IMDG/IATA: Not regulated.

**15. Regulatory Information**

NONE

**16. Other Information**

**Note:** To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.