

# Safety Data Sheet

## VioNexus

### Section 1

### Product Description

Product Name:	VioNexus Antimicrobial Foam Soap
Recommended Uses:	Hand Hygiene
Synonyms:	Foaming Antimicrobial Hand Soap
Distributor:	Metrex Research 28210 Wick Road Romulus, MI 48174
Chemical Information/Emergency:	
Chemtrec	1.800.424.9300

### Section 2

### Hazard Identification

OSHA Regulatory Status--This product contains no hazardous components as defined in the 2012 OSHA Hazard Communication, 29 CFR §1910.1200. Warnings below are for exposure to large quantities of the product. Normal usage should not create hazardous conditions.

**Appearance**—Aqueous solution

**Physical state**—Liquid

**Odor**—Mild Odor

Can cause eye irritation.

#### Precautionary Statements—Prevention

Keep away from heat/sparks/open flames/hot surfaces-----No Smoking.

Use only non-sparking tools.

Keep container tightly closed.

#### Precautionary Statements—Response

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 advice/attention.

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin (hair) with water/shower.

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing,  
In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction.

#### Precautionary Statements—Storage

Stored in a well-ventilated place. Keep Cool.

# Safety Data Sheet

## Precautionary Statements—Disposal

Dispose of contents/container to an approved waste disposal plant.

## Hazards not otherwise classified (HNOC)

Not Applicable

## Other Information

Unknown Acute Toxicity

## Section 3

## Composition/Information on Ingredients

Chemical Name	CASNo.	Weight-%
4-Chloro-3, 5 xylenol (Chloroxylenol)	88-04-0	< 2

## Section 4

## First Aid Measures

### First Aid Measures

#### Eye Contact

Hold eye(s) open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye(s). If eye irritation persists: Get medical advice/attention.

#### Skin Contact

For accidental exposure to large quantities, wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reused. Get medical attention if irritation develops.

#### Inhalation

Remove to fresh air. If signs/symptoms continue, get medical attention.

#### Ingestion

Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call physician.

### Most important symptoms and effects, both acute and delayed

#### Symptoms

See Section 11 for symptom information.

### Indication of any immediate medical attention and special treatment needed

#### Note to physicians

Treat symptomatically.

## Section 5

## Fire-Fighting Measures

### Suitable Extinguishing Media

Dry Chemical, Water spray (fog), Carbon dioxide (CO<sub>2</sub>), Foam.

### Unsuitable Extinguishing Media

No Information available.

### Specific hazards arising from the chemical

No Information available.

#### Hazardous combustion products

Carbon Monoxide. Carbon Dioxide (CO<sub>2</sub>).

#### Explosion Data

Sensitivity to Mechanical Impact

None

Sensitivity to Static Discharge

May be ignited by friction, heat, sparks or flames.

### Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective

## Safety Data Sheet

gear. Cool containers with flooding quantities of water until well after fire is out.

### Section 6

### Accidental Release Measures

#### Personal Precautions, Protective Equipment and Emergency Procedures

**Personal Precautions** Use personal protection recommended in Section 8. Ensure adequate ventilation, especially in confined areas.

**For emergency responders** Isolate area. Keep unnecessary personnel away.

#### Environment Precautions

**Environmental Precautions** Prevent entry into waterways, sewers, basements or confined areas. See Section 12 for additional ecological information.

#### Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations (See Section 13).

**Methods for cleaning up** Use clean non-sparking tools to collect absorbed material. May be ignited by friction, heat, sparks or flames. Collect spillage. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal. Following product recovery, flush area with water.

### Section 7

### Handling and Storage

#### Precautions for Safe Handling

**Advice on Safe Handling** Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Take precautionary measures against static discharges. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Use only in well-ventilated areas. Avoid breathing vapors or mists. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice.

#### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep Containers tightly closed in a dry, cool and well-ventilated place. Keep from freezing. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Store between 40 to 100°F.

**Incompatible materials** Heat, sparks, open flame, other ignition sources. Reacts violently with strong oxidants such as nitric acid and silver nitrate causing fire and explosion hazard. Reacts slowly with calcium hypochlorite and ammonia causing fire and explosion hazard.

# Safety Data Sheet

## Section 8

## Protection Information

### Exposure Guidelines

### Appropriate Engineering Controls

Engineering Controls      Showers, eyewash stations, ventilation system.

### Individual Protection Measures, such as personal protective equipment

Eye/Face protection	Wear safety glasses with side shields (or goggles).
Skin and body protection	Wear protective Neoprene™ gloves. Rubber gloves. Normal work clothing (long sleeved shirt and long pants) is recommended).
Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
General Hygiene Considerations	Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing and shoes before reuse. Do not Eat, Drink or Smoke when using this product.

## Section 9

## Physical and Chemical Properties

### Information on basic physical and chemical properties

Formula:	See Section 3	Physical State:	Liquid
Odor:	Mild	Appearance:	Aqueous solution
Odor Threshold:	No Information Available	Color:	Green

<u>Property</u>	<u>Values</u>
pH	9.0-11.0
Melting Point/Freezing Point	No Information available
Boiling Point/ Boiling Range	212°F
Flash Point	No Information available
Evaporation rate	No information available
Flammability (solid, gas)	No information available

# Safety Data Sheet

Flammability Limit in Air	
Upper flammability limit:	No Information available
Lower flammability limit:	No Information available
Vapor pressure:	No Information available
Vapor density:	No information available
Specific Gravity	1.02
Water solubility	Soluble
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available

## Section 10

## Stability and Reactivity Data

<b>Reactivity</b>	No data available.
<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Possibility of Hazardous Reactions</b>	Vapors may form explosive mixture with air.
<b>Conditions to avoid</b>	Heat, flames and sparks, extreme temperature conditions
<b>Incompatible materials</b>	Strong oxidizing agents, strong acids, heat, sparks, open flame, other ignition sources.
<b>Hazardous Decomposition Products</b>	Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ). Nitrogen.

## Section 11

## Toxicity Data

### Information on likely routes of exposure

Product Information	
Inhalation	No irritant under normal use.
Eye Contact	Can be irritating to eyes.
Skin Contact	No irritant under normal use.
Ingestion	May be harmful if swallowed.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
4-Chloro-3, 5 xyleneol (Chloroxylenol) 88-04-0	500 mg/kg	> 2000 mg/kg (Rat)	> 6.29 mg/L (Rat)

# Safety Data Sheet

## Information on toxicological effects

Symptoms No Information Available

## Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No Information Available

Germ cell mutagenicity No Information Available

Carcinogenicity Not classified

Reproductive toxicity No Information Available

STOT single exposure No Information Available

STOT repeated exposure No Information Available

Aspiration hazard No Information Available

## Section 12

## Ecological Data

### Ecotoxicity

Chemical Name	Algae/Aquatic Plants	Fish	Crustacea
4-Chloro-3, 5 xyleneol (Chloroxylenol) 88-04-0	-	0.76 mg/L 96 h Oncorhynchus mykiss LC50	7.7 mg/L 48 h Daphnia magna mg/L EC50

# Safety Data Sheet

## **Persistence and degradability**

No Information Available.

## **Bioaccumulation**

## **Mobility**

No information available.

## **Other adverse effects**

No information available

## **Section 13**

## **Disposal Information**

### **Waste treatment methods**

Disposal of wastes

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging

Dispose of in accordance with federal, state and local regulations.

## **Section 14**

## **Transport Information**

### **DOT**

Non-hazardous

# Safety Data Sheet

## Section 15

## Regulatory Information

### International Inventories

<b>TSCA</b>	<b>Complies</b>
<b>DSL/NDSL</b>	<b>Complies</b>
<b>EINECS/ELINCS</b>	<b>Complies</b>

### Legend:

**TSCA**—United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL**—Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS**—European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

### US Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### SARA 311/312 Hazard Categories

Acute health hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of pressure hazard	No
Reactive Hazard	No

#### CWA (Clean Water Act)

This product does not contain any substance regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### CERCLA

This material, as supplied, does not contain any substance regulated as a hazardous substance under the Comprehensive Environment Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local regional or state level pertaining to releases of this material.

#### US State Regulations

##### California Proposition 65

This product does not contain any Proposition 65 chemicals.

#### U.S. EPA Label Information

**EPA Pesticide Registration Number** Not Applicable



# Safety Data Sheet

## Section 16

## Additional Information

<b>HMIS</b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal protection</b>
	1	0	0	B (safety glasses,gloves)

**Prepared by:** Technical Department  
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### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**

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