



# VI-JON<sup>®</sup> Material Safety Data Sheet

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** Kitchen Herb with Lime Liquid Hand Soap  
**Item Number:** 5X1AB  
**Recommended Use:** Personal Care  
**Supplier Address:** Vi-Jon, Inc.  
8515 Page Avenue  
Saint Louis, MO 63114

**General Information Contact:** Phone: 314-427-1000 (M-F 8am-4pm CST)  
Email: info@vijon.com

**In Case of Spill Emergency Contact:** Chemtrec: 1-800-424-9300 (24-Hour)

## 2. HAZARDS IDENTIFICATION FOR INDUSTRIAL SETTING

### CAUTION!

#### Emergency Overview

**Appearance:** Clear to hazy, yellow, viscous liquid

**Physical State:** Viscous Liquid

**Odor:** Herbal, lime

#### Potential Health Effects

##### **Primary Routes of Exposure**

Skin contact.

##### **Acute Toxicity**

###### **Eyes**

May cause irritation.

###### **Skin**

Prolonged or repeated contact may cause irritation.

###### **Inhalation**

No known effect based on information supplied.

###### **Ingestion**

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

##### **Chronic Effects**

No known effect based on information supplied.

##### **Aggravated Medical Conditions**

None known.

##### **Environmental Hazard**

See Section 12 for additional Ecological Information.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Water	7732-18-5	50-100
Sodium Laureth Sulfate	1335-72-4	0-10
Sodium Lauryl Sulfate	151-21-3	0-10
Cocamidopropyl Betaine	61789-40-0	0-10
Sodium Chloride	7647-14-5	0-10
Fragrance	Fragrance	0-10
Citric Acid	77-92-9	0-10
DMDM Hydantoin	6440-58-0	0-10
Glycerin	56-81-5	0-10
Tetrasodium EDTA	64-02-8	0-10
Cocamide MEA	68140-00-1	0-10
Polyquaternium-7	26590-05-6	0-10
Hydrolyzed silk	96690-41-4	0-10
Aloe Barbadosensis Leaf Juice	85507-69-3	0-10
Yellow 10	8004-92-0	0-10

### 4. FIRST AID MEASURES

<b>Eye Contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. If symptoms persist, call a physician.
<b>Skin Contact</b>	In the case of skin irritation or allergic reactions see a physician.
<b>Inhalation</b>	Not an expected route of exposure.
<b>Ingestion</b>	Rinse mouth. Drink plenty of water. Do NOT induce vomiting. If symptoms persist, call a physician.
<b>Notes to Physician</b>	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Flammable Properties</b>	Not flammable.
<b>Flash Point</b>	> 93 C / > 199 F
<b>Suitable Extinguishing Media</b>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b>Hazardous Combustion Products</b>	Carbon oxides.
<b>Explosion Data</b>	
<b>Sensitivity to Mechanical Impact</b>	No.
<b>Sensitivity to Static Discharge</b>	No.
<b>Protective Equipment and Precautions for Firefighters</b>	
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.	
<b>NFPA</b>	<b>Health Hazard 1      Flammability 0      Stability 0      Physical and Chemical Hazards - NONE</b>

### 6. ACCIDENTAL RELEASE MEASURES FOR INDUSTRIAL SETTING

<b>Personal Precautions</b>	Avoid contact with eyes. Use personal protective equipment.
<b>Environmental Precautions</b>	Refer to protective measures listed in Sections 7 and 8.
<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for Cleaning Up</b>	Damp up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

## 7. HANDLING AND STORAGE FOR INDUSTRIAL SETTING

**Handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with eyes.

**Storage** Keep containers tightly closed in a dry, cool and well-ventilated place.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION FOR INDUSTRIAL SETTING

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Glycerin 56-81-5	TWA: 10 mg/m <sup>3</sup> mist	TWA: 15 mg/m <sup>3</sup> mist, total particulate TWA: 5 mg/m <sup>3</sup> mist, respirable fraction (vacated) TWA: 10 mg/m <sup>3</sup> mist, total particulate (vacated) TWA: 5 mg/m <sup>3</sup> mist, respirable fraction	

*ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value. OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits. NIOSH IDLH: Immediately Dangerous to Life or Health.*

**Other Exposure Guidelines** Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

**Engineering Measures**  
 Showers  
 Eyewash stations  
 Ventilation systems

### Personal Protective Equipment

**Eye/Face Protection** Safety glasses with side-shields.  
**Skin and Body Protection** Protective gloves.  
**Respiratory Protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Clear to hazy, yellow, viscous liquid	<b>Odor</b>	Herbal, lime
<b>Odor Threshold</b>	No information available.	<b>Physical State</b>	Viscous liquid
<b>pH</b>	6.8	<b>Autoignition Temperature</b>	No information available
<b>Flash Point</b>	> 199 F / > 93 C	<b>Boiling Point/Range</b>	No information available
<b>Decomposition Temperature</b>	No information available	<b>Explosion Limits</b>	No information available
<b>Melting Point/Range</b>	No information available	<b>Solubility</b>	No information available
<b>Flammability Limits in Air</b>	No information available	<b>Vapor Pressure</b>	No data available
<b>Water Solubility</b>	Miscible with water	<b>VOC Content (%)</b>	Not applicable
<b>Evaporation Rate</b>	No information available		
<b>Vapor Density</b>	No data available		

## 10. STABILITY AND REACTIVITY

**Stability** Stable under recommended storage conditions.

**Incompatible Products** None known.

**Conditions to Avoid** None known.

**Hazardous Decomposition Products** Carbon oxides.

**Hazardous Polymerization** Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION FOR INDUSTRIAL SETTING

### Acute Toxicity

#### Product Information

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Water	> 90 mL/kg ( Rat )	-	-
Sodium Laureth Sulfate	= 1288 mg/kg ( Rat )	= 580 mg/kg ( Rabbit )	> 3900 mg/m <sup>3</sup> ( Rat ) 1 h
Sodium Lauryl Sulfate	= 1288 mg/kg ( Rat )	= 580 mg/kg ( Rabbit )	> 3900 mg/m <sup>3</sup> ( Rat ) 1 h
Cocamidopropyl Betaine	= 4900 mg/kg ( Rat )	-	-
Sodium Chloride	3 g/kg ( Rat )	> 10 g/kg ( Rabbit )	> 42 g/m <sup>3</sup> ( Rat ) 1 h
Citric Acid	= 3000 mg/kg ( Rat )	-	-
DMDM Hydantoin	= 2 g/kg ( Rat )	-	-
Glycerin	= 12600 mg/kg ( Rat )	> 21900 mg/kg ( Rat )	570 mg/m <sup>3</sup> ( Rat ) 1 h
Tetrasodium EDTA	= 10 g/kg ( Rat )	-	-
Cocamide MEA	= 3300 mg/kg ( Rat )	-	-
Yellow 10	= 2 g/kg ( Rat )	-	-

### Chronic Toxicity

#### Chronic Toxicity

No known effect based on information supplied.

#### Carcinogenicity

None known.

#### Target Organ Effects

None known.

**12. ECOLOGICAL INFORMATION FOR INDUSTRIAL SETTING**

**Ecotoxicity**

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Sodium Laureth Sulfate	EC50: 3.59 - 15.6 mg/L (96 h static) Pseudokirchneriella subcapitata EC50: 30 - 100 mg/L (96 h ) Desmodemus subspicatus EC50: 117 mg/L (96 h ) Pseudokirchneriella subcapitata EC50: 53 mg/L (72 h ) Desmodemus subspicatus	LC50: 9.9-20.1 mg/L (96 h semi-static) Brachydanio rerio LC50: 5.8-7.5 mg/L (96 h static) Pimephales promelas LC50: 22.1-22.8 mg/L (96 h static) Pimephales promelas LC50: 4.2-4.8 mg/L (96 h flow-through) Lepomis macrochirus LC50: 7.97 mg/L (96 h flow-through) Brachydanio rerio LC50: 10.2-22.5 mg/L (96 h semi-static) Pimephales promelas LC50: 4.5 mg/L (96 h ) Lepomis macrochirus LC50: 13.5-18.3 mg/L (96 h semi-static) Poecilia reticulata LC50: 4.62 mg/L (96 h flow-through) Oncorhynchus mykiss LC50: 10.8-16.6 mg/L (96 h static) Poecilia reticulata LC50: 4.06-5.75 mg/L (96 h static) Lepomis macrochirus LC50: 6.2-9.6 mg/L (96 h ) Pimephales promelas LC50: 8-12.5 mg/L (96 h static) Pimephales promelas LC50: 1.31 mg/L (96 h semi-static) Cyprinus carpio LC50: 4.2 mg/L (96 h ) Oncorhynchus mykiss LC50: 15-18.9 mg/L (96 h static) Pimephales promelas LC50: 4.3-8.5 mg/L (96 h static) Oncorhynchus mykiss		EC50: 1.8 mg/L (48 h ) Daphnia magna

Product Number: 5X1AB  
 Issuing Date: March 1, 2012

Product Name: Kitchen Herb with Lime Liquid Hand Soap  
 Revision Date: None

Revision Number: 0

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Sodium Lauryl Sulfate	EC50: 3.59 - 15.6 mg/L (96 h static) Pseudokirchneriella subcapitata EC50: 30 - 100 mg/L (96 h) Desmodemus subspicatus EC50: 117 mg/L (96 h) Pseudokirchneriella subcapitata EC50: 53 mg/L (72 h) Desmodemus subspicatus	LC50: 10.2-22.5 mg/L (96 h semi-static) Pimephales promelas LC50: 10.8-16.6 mg/L (96 h static) Poecilia reticulata LC50: 22.1-22.8 mg/L (96 h static) Pimephales promelas LC50: 6.2-9.6 mg/L (96 h) Pimephales promelas LC50: 7.97 mg/L (96 h flow-through) Brachydanio rerio LC50: 4.06-5.75 mg/L (96 h static) Lepomis macrochirus LC50: 4.3-8.5 mg/L (96 h static) Oncorhynchus mykiss LC50: 1.31 mg/L (96 h semi-static) Cyprinus carpio LC50: 5.8-7.5 mg/L (96 h static) Pimephales promelas LC50: 9.9-20.1 mg/L (96 h semi-static) Brachydanio rerio LC50: 13.5-18.3 mg/L (96 h semi-static) Poecilia reticulata LC50: 4.5 mg/L (96 h) Lepomis macrochirus LC50: 4.62 mg/L (96 h flow-through) Oncorhynchus mykiss LC50: 8-12.5 mg/L (96 h static) Pimephales promelas LC50: 15-18.9 mg/L (96 h static) Pimephales promelas LC50: 4.2-4.8 mg/L (96 h flow-through) Lepomis macrochirus LC50: 4.2 mg/L (96 h) Oncorhynchus mykiss	EC50 = 0.46 mg/L 30 min EC50 = 0.72 mg/L 15 min EC50 = 1.19 mg/L 5 min	EC50: 1.8 mg/L (48 h) Daphnia magna
Cocamidopropyl Betaine	EC50: 1.0 - 10.0 mg/L (72 h) Desmodemus subspicatus EC50: 0.55 mg/L (96 h) Desmodemus subspicatus	LC50: 1.0-10.0 mg/L (96 h) Brachydanio rerio LC50: 2 mg/L (96 h semi-static) Brachydanio rerio		EC50: 6.5 mg/L (48 h) Daphnia magna
Sodium Chloride		LC50: 5560-6080 mg/L Lepomis macrochirus 96 h flow-through LC50: 12946 mg/L Lepomis macrochirus 96 h static LC50: 6020-7070 mg/L Pimephales promelas 96 h static LC50: 7050 mg/L Pimephales promelas 96 h semi-static LC50: 6420-6700 mg/L Pimephales promelas 96 h static LC50: 4747-7824 mg/L Oncorhynchus mykiss 96 h flow-through		EC50: 340.7 - 469.2 mg/L (48 h Static) Daphnia magna EC50: 1000 mg/L (48 h) Daphnia magna
Citric Acid		LC50: 1516 mg/L (96 h static) Lepomis macrochirus		EC50: 120 mg/L (72 h) Daphnia magna
Glycerin		LC50: 51 - 57 mL/L (96 h static) Oncorhynchus mykiss		EC50: > 500 mg/L (24 h) Daphnia magna
Tetrasodium EDTA	EC50: 1.01 mg/L (72 h) Desmodemus subspicatus	LC50: 59.8 mg/L (96 h static) Pimephales promelas LC50: 41 mg/L (96 h static) Lepomis macrochirus		EC50: 610 mg/L (24 h) Daphnia magna
Cocamide MEA		LC50: 31 mg/L (96 h) Brachydanio rerio LC50: 28.5 mg/L (96 h semi-static) Brachydanio rerio		EC50: 10 mg/L (24 h) Daphnia magna

**Product Number:** 5X1AB  
**Issuing Date:** March 1, 2012

**Revision Date:** None

**Product Name:** Kitchen Herb with Lime Liquid Hand Soap  
**Revision Number:** 0

<b>Chemical Name</b>	<b>Log Pow</b>
Sodium Laureth Sulfate	1.6
Sodium Lauryl Sulfate	1.6
Citric Acid	-1.72
Glycerin	-1.76
Cocamide MEA	3.89

### **13. DISPOSAL CONSIDERATIONS FOR INDUSTRIAL SETTING**

**Waste Disposal Methods** This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

**Contaminated Packaging** Dispose of in accordance with local regulations.

**California Hazardous Waste Codes** N/A

This product does not contain any substances that are listed with the State of California as a hazardous waste.

### **14. TRANSPORT INFORMATION**

**DOT** Not regulated  
**TDG** Not regulated  
**MEX** Not regulated  
**ICAO** Not regulated  
**IATA** Not regulated  
**IMDG/IMO** Not regulated

## 15. REGULATORY INFORMATION FOR INDUSTRIAL SETTING

### International Inventories

TSCA Exempt  
DSL Does not Comply

### U.S. Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act 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

#### Clean Water Act

This product does not contain any substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

#### Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product contains the following substances which are listed hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act:

Chemical Name	CAS-No	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Glycerin	56-81-5	0-10		Group II		

#### CERCLA

This material, as supplied, does not contain any substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

### U.S. State Regulations

#### California Proposition 65 - NONE

This product does not contain any Proposition 65 chemicals.

#### U.S. State Right-to-Know Regulations for Industrial Setting

This product does not contain any substances regulated by state right-to-know regulations.

### International Regulations

Mexico - Grade Slight risk, Grade 1

#### Canada

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 CPR.

#### WHMIS Hazard Class

Non-controlled



Product Number: 5X1AB  
Issuing Date: March 1, 2012

Revision Date: None

Product Name: Kitchen Herb with Lime Liquid Hand Soap  
Revision Number: 0

## 16. OTHER INFORMATION

Issuing Date March 1, 2012  
Revision Date None  
Revision Note None

MSDS Prepared by WERCS Professional Services, LLC

### General 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 a 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

Approved and Updated by Vi-Jon, Inc.

### Disclaimer:

The information and recommendations contained in the Material Safety Data Sheet (MSDS) are supplied pursuant to 29 CFR 1910.1200 of the Occupational Safety and Health Standards Hazard Communication Rule. The information and recommendations set forth herein are presented in good faith and believed to be correct as of this date hereof.

Vi-Jon, however, makes no representation as to the completeness or accuracy thereof, and information is supplied upon the express condition that the persons receiving the information will be required to make their own determination as to its suitability for their purposes prior to use. In no event will Vi-Jon be responsible for any damages of any nature whatsoever resulting from the use of, reliance upon, or the misuse of this information.

No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose, or of any other nature, are made hereunder with respect to information or the product to which the information refers. The information as supplied herein is simply to be informative and intended solely to alert the user of the substance which is the subject matter of this MSDS. The ultimate compliance with federal, state or local regulations concerning the use of this compound, or compliance with respect to product liability, rests solely upon the purchaser thereof.

**End of Safety Data Sheet**