



VI-JON[®] Material Safety Data Sheet

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Hand Soap with Honey and Milk
Item Number: 1L3AB/1L3AE/1L3AF/1L3AG
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

CAUTION!

Emergency Overview

May cause skin and eye irritation

Appearance: Pearlescent opaque, pale creamy, golden yellow
Physical State: Slightly viscous liquid
Odor: Honey, sweet

Potential Health Effects

Primary Routes of Exposure

Inhalation. Skin contact. Eye contact.

Acute Toxicity

Eyes

May cause irritation.

Skin

May cause irritation.

Inhalation

Inhalation of vapors in high concentration may cause irritation of respiratory system.

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
Glycol Stearate	111-60-4	0-10
Fragrance	Fragrance	0-10
Cocamide MEA	68140-00-1	0-10
DMDM Hydantoin	6440-58-0	0-10
Polyquaternium-7	26590-05-6	0-10
Glycerin	56-81-5	0-10
Tetrasodium EDTA	64-02-8	0-10
Citric Acid	77-92-9	0-10
Aloe Barbadosensis Leaf Juice	85507-69-3	0-10
Honey	8028-66-8	0-10
Milk Protein	91053-68-8	0-10
Hydrolyzed Silk	73049-73-7	0-10
D&C Yellow No. 10	8004-92-0	0-10
FD&C Red No. 40	25956-17-6	0-10

4. FIRST AID MEASURES

Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Skin Contact	Wash skin with soap and water.
Inhalation	Move to fresh air.
Ingestion	Clean mouth with water and afterwards drink plenty of water.
Notes to Physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flammable Properties	Not flammable.
Flash Point	93.5 - 815.5 °C / 200 - 1499.9 °F
Suitable Extinguishing Media	Dry chemical. Carbon dioxide (CO ₂). Water spray. Alcohol-resistant foam.
Unsuitable Extinguishing Media	Do not use a solid water stream as it may scatter and spread fire.
Hazardous Combustion Products	Carbon oxides.
Explosion Data	
Sensitivity to Mechanical Impact	No.
Sensitivity to Static Discharge	No.

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 gear.

NFPA	Health Hazard 1	Flammability 0	Stability 0	Physical and Chemical Hazards – Not known
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6. ACCIDENTAL RELEASE MEASURES

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

7. HANDLING AND STORAGE

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

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Glycerin 56-81-5	TWA: 10 mg/m ³ mist	TWA: 15 mg/m ³ mist, total particulate TWA: 5 mg/m ³ mist, respirable fraction (vacated) TWA: 10 mg/m ³ mist, total particulate (vacated) TWA: 5 mg/m ³ mist, respirable fraction	
Glycol Stearate 111-60-4	TWA: 10 mg/m ³ except stearates of toxic metals		

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

Engineering Measures Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment

Eye/Face Protection
Skin and Body Protection
Respiratory Protection

Tightly fitting safety goggles.
No special protective equipment required.
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.

Hygiene Measures When using, do not eat, drink or smoke. Provide regular cleaning of equipment, work area and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Pearlescent opaque, pale creamy, golden yellow	Odor	Honey, sweet
Odor Threshold	No information available.	Physical State	Slightly viscous liquid
pH	7.4	Autoignition Temperature	No information available
Flash Point	200 - 1499.9°F / 93.5 - 815.5°C	Boiling Point/Range	No information available
Decomposition Temperature	No information available	Explosion Limits	No information available
Melting Point/Range	No information available	Solubility	No information available
Flammability Limits in Air	No information available	Vapor Pressure	No data available
Water Solubility	Soluble in water.	VOC Content (%)	Not applicable
Evaporation Rate	No information available		
Vapor Density	No data available		
Partition Coefficient: n-octanol/water	No information available		

10. STABILITY AND REACTIVITY

Stability Stable under recommended storage conditions.

Incompatible Products None known based on information supplied.

Conditions to Avoid None known based on information supplied.

Hazardous Decomposition Products None known based on information supplied.

Hazardous Polymerization Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

LD50 Oral VALUE 41103.16 mg/kg (rat) estimated
LD50 Dermal VALUE 18000.73 mg/kg (rat) estimated
LC50 Inhalation (VAPOR) VALUE 20007.29 ml/m³ (vapor) estimated

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Water	90090 mg/kg (rat)	-	-
Sodium Laureth Sulfate	= 1288 mg/kg (Rat)	= 580 mg/kg (Rabbit)	> 3900 mg/m ³ (Rat) 1 h
Sodium Lauryl Sulfate	= 1288 mg/kg (Rat)	= 580 mg/kg (Rabbit)	> 3900 mg/m ³ (Rat) 1 h
Sodium Chloride	= 3 g/kg (Rat)	> 10 g/kg (Rabbit)	> 42 g/m ³ (Rat) 1 h
Cocamide MEA	= 3300 mg/kg (Rat)	-	-
DMDM Hydantoin	= 2 g/kg (Rat)	-	-
Glycerin	= 12600 mg/kg (Rat)	> 21900 mg/kg (Rat)	570 mg/m ³ (Rat) 1 h
Tetrasodium EDTA	= 10 g/kg (Rat)	-	-
Citric Acid	= 3000 mg/kg (Rat)	-	-
D&C Yellow No. 10	= 2 g/kg (Rat)	-	-
FD&C Red No. 40	> 10 g/kg (Rat)	> 10 g/kg (Rabbit)	-

Chronic Toxicity

Target Organ Effects None known.

12. ECOLOGICAL INFORMATION

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) Desmodesmus subspicatus EC50: 117 mg/L (96 h) Pseudokirchneriella subcapitata EC50: 53 mg/L (72 h) Desmodesmus 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

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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) <i>Pseudokirchneriella subcapitata</i> EC50: 30 - 100 mg/L (96 h) <i>Desmodesmus subspicatus</i> EC50: 117 mg/L (96 h) <i>Pseudokirchneriella subcapitata</i> EC50: 53 mg/L (72 h) <i>Desmodesmus subspicatus</i>	LC50: 10.2-22.5 mg/L (96 h semi-static) <i>Pimephales promelas</i> LC50: 10.8-16.6 mg/L (96 h static) <i>Poecilia reticulata</i> LC50: 22.1-22.8 mg/L (96 h static) <i>Pimephales promelas</i> LC50: 6.2-9.6 mg/L (96 h) <i>Pimephales promelas</i> LC50: 7.97 mg/L (96 h flow-through) <i>Brachydanio rerio</i> LC50: 4.06-5.75 mg/L (96 h static) <i>Lepomis macrochirus</i> LC50: 4.3-8.5 mg/L (96 h static) <i>Oncorhynchus mykiss</i> LC50: 1.31 mg/L (96 h semi-static) <i>Cyprinus carpio</i> LC50: 5.8-7.5 mg/L (96 h static) <i>Pimephales promelas</i> LC50: 9.9-20.1 mg/L (96 h semi-static) <i>Brachydanio rerio</i> LC50: 13.5-18.3 mg/L (96 h semi-static) <i>Poecilia reticulata</i> LC50: 4.5 mg/L (96 h) <i>Lepomis macrochirus</i> LC50: 4.62 mg/L (96 h flow-through) <i>Oncorhynchus mykiss</i> LC50: 8-12.5 mg/L (96 h static) <i>Pimephales promelas</i> LC50: 15-18.9 mg/L (96 h static) <i>Pimephales promelas</i> LC50: 4.2-4.8 mg/L (96 h flow-through) <i>Lepomis macrochirus</i> LC50: 4.2 mg/L (96 h) <i>Oncorhynchus mykiss</i>	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) <i>Daphnia magna</i>
Sodium Chloride	N/A	LC50: 6420-6700 mg/L (96 h static) <i>Pimephales promelas</i> LC50: 4747-7824 mg/L (96 h flow-through) <i>Oncorhynchus mykiss</i> LC50: 12946 mg/L (96 h static) <i>Lepomis macrochirus</i> LC50: 6020-7070 mg/L (96 h static) <i>Pimephales promelas</i> LC50: 5560-6080 mg/L (96 h flow-through) <i>Lepomis macrochirus</i> LC50: 7050 mg/L (96 h semi-static) <i>Pimephales promelas</i>	N/A	EC50: 340.7 - 469.2 mg/L (48 h Static) <i>Daphnia magna</i> EC50: 1000 mg/L (48 h) <i>Daphnia magna</i>
Cocamide MEA		LC50: 31 mg/L (96 h) <i>Brachydanio rerio</i> LC50: 28.5 mg/L (96 h semi-static) <i>Brachydanio rerio</i>		EC50: 10 mg/L (24 h) <i>Daphnia magna</i>
Glycerin		LC50: 51 - 57 mL/L (96 h static) <i>Oncorhynchus mykiss</i>		EC50: > 500 mg/L (24 h) <i>Daphnia magna</i>
Tetrasodium EDTA	EC50: 1.01 mg/L (72 h) <i>Desmodesmus subspicatus</i>	LC50: 59.8 mg/L (96 h static) <i>Pimephales promelas</i> LC50: 41 mg/L (96 h static) <i>Lepomis macrochirus</i>		EC50: 610 mg/L (24 h) <i>Daphnia magna</i>
Citric Acid		LC50: 1516 mg/L (96 h static) <i>Lepomis macrochirus</i>		EC50: 120 mg/L (72 h) <i>Daphnia magna</i>

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

13. DISPOSAL CONSIDERATIONS

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

Do not re-use empty containers.

California Hazardous Waste Codes

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14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

MEX Not regulated

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

RID Not regulated

ADR Not regulated

ADN Not regulated

15. REGULATORY INFORMATION**International Inventories**

TSCA	Complies
DSL	Does not Comply
EINECS/ELINCS	Does not Comply
ENCS	Does not Comply
IECSC	Does not Comply
KECL	Does not Comply
PICCS	Does not Comply
AICS	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	Yes
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 regulated as 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 HAPs:

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 hazardous substances under the Comprehensive Environmental 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.

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Glycerin	X	X	X		X

International Regulations

Mexico - Grade Minimum risk, Grade 0

Chemical Name	Carcinogen Status	Exposure Limits
Glycerin		Mexico: TWA 10 mg/m ³

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

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16. OTHER INFORMATION

Issuing Date April 12, 2011

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.

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End of Safety Data Sheet