

MATERIAL SAFETY DATA SHEET

SECTION I – MATERIAL IDENTIFICATION AND USE

Material Name

Hand Dishwashing Liquid, Citrus

Manufacturer's Name

Seventh Generation, Inc.

Street Address

60 Lake Street

City

Burlington

State

VT

Zip Code

05401-5281

EMERGENCY TELEPHONE NO.

800-456-1191

Chemical Name

NAP

Chemical Family

NAP

Chemical Formula

NAP

Molecular Weight

NAP

Trade Name and Synonym

NAP

Material Use

Household cleaning

SECTION II – INGREDIENTS OF MATERIAL

WHMIS Class D2B

Ingredient Name	Concentration (%)	CAS Number	Exposure Limits	Toxicity Data LD ₅₀ (oral, rat)
Water, soft	10 - 100	7732-18-5	NAV	NAV
Sodium laureth sulfate	10-100	68585-34-2	NAP	5,000 mg/kg
Cocamidopropyl Betaine	3-30	61789-40-0	NAV	NAV
Cocamide MEA	3-30	68140-00-1	NAV	NAV
Sodium Chloride	0.03 – 3	7647-14-5	NAP	3,000 mg/kg
Magnesium Chloride	0.03 - 3	7786-30-3	NAP	8,100 mg/kg
Citric Acid	0.03- 3	77-92-9	NAP	3000mg/kg
Valencia Orange Oil	0.01 - 1		NAP	NAV
Hexahydro-1,3,5,-Tris(2-hydroxyethyl)-s-triazine	<0.05	4719-04-4	NAP	535 mg/kg

SECTION III – PHYSICAL DATA FOR MATERIAL

Physical State [] Solid [X] Liquid	Color and Appearance Clear liquid		Odor Threshold Limit NAP	Specific Gravity As water
Vapor Pressure (mm) As water	Vapor Density (Air=1) As water	Evaporation Rate As water	Boiling Point As water	Freezing Point As water
Solubility in Water Miscible	Percent Volatiles 10-100 (Water)	pH 6.5 – 7.5	Density (g/cc) 1.04	Coef. Of Oil/Water Distribution: NAV

SECTION IV – FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammable? If yes, under what conditions?

Yes [] No [X]

Means of Extinction

NAP

Special Procedures

NAP

Flashpoint (°C) and Method NAP	Upper Explosion Limit (% by Volume) NAP	Lower Explosion Limit (% by Volume) NAP
Auto Ignition Temperature (°C) NAV	TDG Flammability Classification NAP	Hazardous Combustion Products NAP

Sensitivity to Impact NAP	Rate of Burning NAP	Explosive Power NAP	Sensitivity to Static Discharge NAP
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SECTION V – REACTIVITY DATA

Chemically Stable? If no, under what conditions?

Yes [X] No []

Incompatible with other substances? If yes, which ones?

Yes [] No [X]

Reactivity, and under what conditions?

NAP

Hazardous Decomposition Products

NAP

Material Name

Hand Dishwashing Liquid, Citrus

SECTION VI – TOXICOLOGICAL PROPERTIES OF PRODUCT**Route of Entry** Skin Contact Skin Absorption Eye Contact Inhalation, Acute Inhalation, Chronic Ingestion**Effects of Acute Exposure to Product**

Irritation to eyes may occur.

Effects of Chronic Exposure to Product

Prolonged and repeated exposure may cause eye irritation.

LD₅₀ of Product

NAV

LC₅₀ of Product

NAV

Chronic Toxicities Carcinogenic Reproductive Toxin Teratogenic Mutagenic**SECTION VII – PREVENTATIVE MEASURES****Personal Protective Equipment****Respiratory**
NAP**Eye**
Safety glasses**Footwear**
NAP**Gloves****Other**

NAP

NAP

Clothing

NAP

Engineering Controls

NAP

Leak and Spill Procedures

Small quantities can be flushed to sanitary sewers, if permitted by local regulations.

Waste Disposal

Landfill or flush small quantities to sanitary sewers, if permitted by local regulations.

Handling Procedures and Equipment

Avoid contact with eyes. Avoid ingestion.

Storage Requirements

Store in a cool, dry place. Avoid excess heat.

Special Shipping Information

NAP

SECTION VIII – FIRST AID MEASURES**Skin**

Avoid contact with skin. Rinse thoroughly with water if contact occurs

Eyes

Wash eye with water for 15 minutes immediately after contact. Call a physician

Inhalation

NAP

Ingestion

Call a physician immediately.

General Advice

NAP

SECTION IX – PREPARATION INFORMATION**Additional Information**

The information in this MSDS relates only to the specific material designated herein and does not relate to use in combination with any other material or any process.

Sources Used

MSDS: General chemical references

Prepared by

Seventh Generation, Inc.

Telephone Number

800-456-1191

Date

13 July 2007

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