

Material Safety Data Sheet

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Revision Number 2

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1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Great Value Liquid Dish Detergent - Form 290000060

Recommended Use Liquid dishwashing soap.

Supplier Address

Sun Products Corporation
60 Danbury Road
Wilton, CT 06897 USA
Sun Regulatory Affairs sunregulatorydocs
@sunproductscorp.com

2. HAZARDS IDENTIFICATION

WARNING!

Emergency Overview

Irritating to eyes

Appearance Opaque

Physical State Liquid.

Odor Characteristic

Potential Health Effects

Principle Routes of Exposure Eye contact. Skin contact. Inhalation.

Acute Toxicity

Eyes

Irritating to eyes.

Skin

May cause irritation.

Inhalation

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

Ingestion

Ingestion may cause irritation to mucous membranes.

Chronic Effects

Ethanol has been shown to be a reproductive toxin only when consumed as an alcoholic beverage. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage.

Aggravated Medical Conditions

Pre-existing eye disorders. Skin disorders.

Environmental Hazard

See Section 12 for additional Ecological Information.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Water	7732-18-5	60-100
Sodium lauryl sulfate	151-21-3	10-30
.alpha.-Alkyl (C10-16) .omega.-hydroxypoly (oxyethylene) sulfate, sodium salt	68585-34-2	7-13
Lauramine oxide	1643-20-5	3-7
Benzenesulfonic acid, C10-16-alkyl derivatives, sodium salts	68081-81-2	3-7
Sodium xylene sulfonate	1300-72-7	3-7

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Ethyl alcohol	64-17-5	1 - 5
Propanoic acid, 2-hydroxy-, 2-(C10-16-alkyloxy)-1-methyl-2-oxoethyl ester	910661-93-7	0.1 - 1
Laureth-10	9002-92-0	0.1 - 1
Perfumery products	RR-02903-8	0.1 - 1
Sodium sulfate	7757-82-6	0.1 - 1
2-Propenoic acid, 2-methyl-, polymer with ethenylbenzene	9010-92-8	< 0.1
Sodium Chloride	7647-14-5	< 0.1
Magnesium nitrate	10377-60-3	< 0.1
Triethylene glycol, monobutyl ether	143-22-6	< 0.1
T-butyl alcohol	75-65-0	< 0.1
C.I. Acid red 33, disodium salt	3567-66-6	< 0.1
FD&C yellow No. 5	1934-21-0	< 0.1
5-Chloro-2-methyl-3-isothiazolone	26172-55-4	< 0.1
Magnesium chloride	7786-30-3	< 0.1
2-Methyl-3-isothiazolone	2682-20-4	< 0.1

4. FIRST AID MEASURES

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
Skin Contact	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.
Inhalation	Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician.
Ingestion	Do NOT induce vomiting. Rinse mouth. Drink plenty of water. Never give anything by mouth to an unconscious person. Consult a physician.
Notes to Physician	Treat symptomatically.
Protection of First-aiders	Use personal protective equipment.

5. FIRE-FIGHTING MEASURES

Flammable Properties	Not flammable.
Flash Point	5001C / 9034F
Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Uniform Fire Code	Irritant: Liquid
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 -

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. 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	Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Handling	Handle in accordance with good industrial hygiene and safety practice. Wear personal protective equipment. Avoid contact with eyes.
Storage	Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Ethyl alcohol 64-17-5	STEL: 1000 ppm	TWA: 1000 ppm TWA: 1900 mg/m3 (vacated) TWA: 1000 ppm (vacated) TWA: 1900 mg/m3	IDLH: 3300 ppm 10% LEL TWA: 1000 ppm TWA: 1900 mg/m3
T-butyl alcohol 75-65-0	TWA: 100 ppm	TWA: 100 ppm TWA: 300 mg/m3 (vacated) TWA: 100 ppm (vacated) TWA: 300 mg/m3 (vacated) STEL: 150 ppm (vacated) STEL: 450 mg/m3	IDLH: 1600 ppm TWA: 100 ppm TWA: 300 mg/m3 STEL: 150 ppm STEL: 450 mg/m3

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. When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and immediately after handling the product. Provide regular cleaning of equipment, work area and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Opaque.	Odor	Characteristic.
Odor Threshold	No information available	Physical State	Liquid
pH	7		
Flash Point	9034F / 5001C	Autoignition Temperature	No information available

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Decomposition Temperature	No information available	Boiling Point/Range	No information available
Melting Point/Range	No information available		
Flammability Limits in Air	No information available	Explosion Limits	No information available
Water Solubility	Completely soluble	Solubility	No information available
Evaporation Rate	No information available	Vapor Pressure	No data available
Vapor Density	No data available	Partition Coefficient: n-octanol/water	

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**Acute Toxicity****Product Information**

Eye Contact	Irritating to eyes.
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Chronic Toxicity

Chronic Toxicity	Ethanol has been shown to be a reproductive toxin only when consumed as an alcoholic beverage. Ethanol has been shown to be carcinogenic in long-term studies only when consumed as alcoholic beverage.
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Carcinogenicity	The table below indicates whether each agency has listed any ingredient as a carcinogen.
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Chemical Name	ACGIH	IARC	NTP	OSHA
Ethyl alcohol	A3	Group 1	Known	X
Magnesium nitrate		Group 2A		

ACGIH: (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC: (International Agency for Research on Cancer)

Group 1 - Carcinogenic to Humans

NTP: (National Toxicity Program)

Known - Known Carcinogen

OSHA: (Occupational Safety & Health Administration)

X - Present

Target Organ Effects	Eyes.
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12. ECOLOGICAL INFORMATION**Ecotoxicity**

The environmental impact of this product has not been fully investigated. Harmful to aquatic organisms, may cause long-term adverse

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effects in the aquatic environment.

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>
Ethyl alcohol		LC50: 12.0 - 16.0 mL/L (96 h static) <i>Oncorhynchus mykiss</i> LC50: 13400 - 15100 mg/L (96 h flow-through) <i>Pimephales promelas</i> LC50: > 100 mg/L (96 h static) <i>Pimephales promelas</i>	EC50 = 34634 mg/L 30 min EC50 = 35470 mg/L 5 min	LC50: 9268 - 14221 mg/L (48 h) <i>Daphnia magna</i> EC50: 10800 mg/L (24 h) <i>Daphnia magna</i> EC50: 2 mg/L (48 h Static) <i>Daphnia magna</i>
Sodium sulfate		LC50: 13500 - 14500 mg/L (96 h) <i>Pimephales promelas</i> LC50: 3040 - 4380 mg/L (96 h static) <i>Lepomis macrochirus</i> LC50: 13500 mg/L (96 h) <i>Lepomis macrochirus</i> LC50: > 6800 mg/L (96 h static) <i>Pimephales promelas</i>		EC50: 2564 mg/L (48 h) <i>Daphnia magna</i> EC50: 630 mg/L (96 h) <i>Daphnia magna</i>
Sodium Chloride		LC50: 5560-6080 mg/L <i>Lepomis macrochirus</i> 96 h flow-through LC50: 12946 mg/L <i>Lepomis macrochirus</i> 96 h static LC50: 6020-7070 mg/L <i>Pimephales promelas</i> 96 h static LC50: 7050 mg/L <i>Pimephales promelas</i> 96 h semi-static LC50: 6420-6700 mg/L <i>Pimephales promelas</i> 96 h static LC50: 4747-7824 mg/L <i>Oncorhynchus mykiss</i> 96 h flow-through		EC50: 340.7 - 469.2 mg/L (48 h Static) <i>Daphnia magna</i> EC50: 1000 mg/L (48 h) <i>Daphnia magna</i>
Triethylene glycol, monobutyl	EC50: > 500 mg/L (72 h)	LC50: 2400 mg/L (96 h)		EC50: > 500 mg/L (48 h)

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
ether	Desmodesmus subspicatus	Pimephales promelas LC50: 2200-4600 mg/L (96 h static) Leuciscus idus LC50: 2400 mg/L (96 h static) Pimephales promelas		Daphnia magna
T-butyl alcohol	EC50: > 1000 mg/L (72 h) Desmodesmus subspicatus	LC50: 6130-6700 mg/L (96 h flow-through) Pimephales promelas	EC50 > 10000 mg/L 17 h	EC50: 4607 - 6577 mg/L (48 h Static) Daphnia magna EC50: 933 mg/L (48 h) Daphnia magna
5-Chloro-2-methyl-3-isothiazolone	EC50: 0.03 - 0.13 mg/L (96 h static) Pseudokirchneriella subcapitata EC50: 0.11 - 0.16 mg/L (72 h static) Pseudokirchneriella subcapitata EC50: 0.31 mg/L (120 h) Anabaena flos-aquae	LC50: 1.6 mg/L (96 h semi-static) Oncorhynchus mykiss	EC50 = 5.7 mg/L 16 h	EC50: 0.12 - 0.3 mg/L (48 h Flow through) Daphnia magna EC50: 0.71 - 0.99 mg/L (48 h Static) Daphnia magna EC50: 4.71 mg/L (48 h) Daphnia magna
Magnesium chloride	EC50: 2200 mg/L (72 h) Desmodesmus subspicatus	LC50: 1970-3880 mg/L (96 h static) Pimephales promelas LC50: 4210 mg/L (96 h static) Gambusia affinis	EC50 = 26140 mg/L 1 h EC50 = 36300 mg/L 30 min EC50 = 77200 mg/L 24 h	EC50: 140 mg/L (48 h Static) Daphnia magna EC50: 1400 mg/L (24 h) Daphnia magna

Chemical Name	Log Pow
Sodium lauryl sulfate	1.6
Ethyl alcohol	-0.32
Triethylene glycol, monobutyl ether	0.51
T-butyl alcohol	0.35
5-Chloro-2-methyl-3-isothiazolone	0.75

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. Dispose of in accordance with local regulations

Contaminated Packaging

Dispose of in accordance with local regulations.

California Hazardous Waste Codes

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California EHW	California Carc	California Hazardous Waste	California Waste - Part 2
Ethyl alcohol			Toxic Ignitable	Recyclable Hazardous Wastes
Magnesium nitrate			Ignitable Reactive	

14. TRANSPORT INFORMATION

DOT NOT REGULATED

TDG Not regulated

MEX Not regulated

ICAO Not regulated

14. TRANSPORT INFORMATION**IATA** Not regulated**IMDG/IMO** Not regulated**15. REGULATORY INFORMATION****International Inventories****TSCA** Complies
DSL Not determined**U.S. Federal Regulations****SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Magnesium nitrate	10377-60-3	< 0.1	1.0
Triethylene glycol, monobutyl ether	143-22-6	< 0.1	1.0
T-butyl alcohol	75-65-0	< 0.1	1.0

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 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 Depleters	Class 2 Ozone Depleters
Triethylene glycol, monobutyl ether	143-22-6	< 0.1	Present (includes mono- and di- ethers of ethylene glycol, diethylene glycol, and triethylene glycol, except Ethylene glycol monobutyl ether [EGBE]. See 40 CFR 63.62 for Redefinition of glycol ethers listed as hazardous air pollutants and 40 CFR 63.63 fo			

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 contains the following Proposition 65 chemicals:

Chemical Name	CAS-No	California Prop. 65
Ethyl alcohol	64-17-5	Carcinogen Developmental

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Ethyl alcohol	X				

International Regulations**Mexico - Grade**

Minimum risk, Grade 0

Chemical Name	Carcinogen Status	Exposure Limits
Ethyl alcohol		Mexico: TWA 1000 ppm Mexico: TWA 1900 mg/m3

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

D2B Toxic materials

**16. OTHER INFORMATION****Prepared By**

Product Stewardship
23 British American Blvd.
Latham, NY 12110
1-800-572-6501

Revision Date

21-Nov-2013

Revision Note

No information available

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

End of Safety Data Sheet