



SAFETY DATA SHEET

Supersedes Date: 13-May-2015

Revision Date: 06-Jan-2017

Version: 1

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Label Name Sun Liquid Dish Detergent - Citrus Energy
Product Generic Name Liquid Dish Detergent
Other means of identification
UPC Code(s) 7261316007
Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Dish detergent liquid for hand washing dishes.
Uses advised against Follow label instructions. Not recommended for any use except intended use.

Supplier's details

Manufacturer Address
Sun Products Corporation
60 Danbury Road, Wilton, CT 06897

After 1/1/2018 Henkel Corporation
One Henkel Way, Rocky Hill, CT 06067

Emergency telephone number

Company Phone Number General - 1-800-776-6702 (Monday – Friday, 8:30AM to 6:00PM EST)
Company Emergency Phone Number Propharma: 1-800-565-5597 (24 hours)
Emergency telephone Chemtrec (US/CA) 1-800-424-9300 (24 hour)
Poison Control 1-800-222-1222 (24 hour)

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

GHS Label elements, including precautionary statements

Emergency Overview

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance Clear Liquid

Physical state liquid

Odor Citrus

Precautionary Statements - Prevention

Wash hands thoroughly after handling

Precautionary Statements - Response

IF exposed: Call a POISON CENTER or doctor

Precautionary Statements - Storage

Store in a closed container

Precautionary Statements - Disposal

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

Hazards not otherwise classified (HNOC)

Not applicable

Other information

General Hazards

No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

*The exact percentage (concentration) of composition has been withheld as a trade secret

4. FIRST AID MEASURES

First aid measures for different exposure routes

General advice

For further assistance, contact your local Poison Control Center.

Eye contact

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.

Skin contact

Wash skin with soap and water.

Toxic - Inhalation

Move to fresh air.

Ingestion

Clean mouth with water and drink afterwards plenty of water. If symptoms persist, call a physician.

Protection of First-aiders

Use personal protective equipment.

Most important symptoms/effects, acute and delayed

Main Symptoms

No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media None.

Specific hazards arising from the chemical

No information available.

Hazardous Combustion

No information available.

Products

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with eyes.

Advice for emergency responders For personal protection see section 8.

Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

Methods and materials for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Use personal protective equipment. Dam up. Cover liquid spill with sand, earth or other noncombustible absorbent material. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.

Packaging material Keep consumer product in packaging product is initially sold in.

Incompatible products None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

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).

Appropriate engineering controls

Engineering Measures Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

| | |
|---------------------------------|--|
| Eye/Face Protection | Safety glasses with side-shields. |
| Skin and body protection | No special protective equipment required. |
| Respiratory protection | No special protective equipment required. If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. |
| Hygiene measures | Handle in accordance with good industrial hygiene and safety practice. |

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and chemical properties

| | | | |
|-----------------------|--------------|-----------------------|--------------------------|
| Physical state | liquid | Odor | Citrus |
| Appearance | Clear Liquid | Odor threshold | No information available |
| Color | orange | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|---|--------------------------|-----------------------------------|
| pH | 5 | pH |
| Melting point | No information available | |
| Boiling point/boiling range | No information available | |
| Flash Point | > 94 °C / > 201 °F | |
| Evaporation rate | No information available | |
| Flammability (solid, gas) | No information available | |
| Flammability Limits 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 | 1.03 | SPECIFIC GRAVITY - 20C |
| Water solubility | Soluble in water | |
| Solubility in other solvents | No information available | |
| Partition coefficient: n-octanol/water | No information available | |
| Autoignition temperature | No information available | |
| Decomposition temperature | No information available | |
| Viscosity, kinematic | 400 cps | Viscosity@12rpm, LV spindle 2@70F |
| Viscosity, dynamic | No information available | |
| Explosive properties | No information available | |
| Oxidizing Properties | No information available | |

Other information

| | |
|-------------------------|--------------------------|
| Softening point | No information available |
| Molecular weight | No information available |
| VOC Content(%) | No information available |
| Density | No information available |
| Bulk Density | No information available |

10. STABILITY AND REACTIVITY

Reactivity
Not expected

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions

None under normal processing.
 Hazardous Polymerization None under normal processing.

Conditions to Avoid

Extremes of temperature and direct sunlight.

Incompatible Materials

None known based on information supplied.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

| | |
|---------------------------|--|
| Toxic - Inhalation | None known. |
| Eye contact | May cause irritation. |
| Skin contact | There is no data available for this product. |
| Ingestion | There is no data available for this product. |

Component Information

Information on toxicological effects

Symptoms No information available.

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

| | |
|----------------------------------|---------------------------|
| Skin corrosion/irritation | No information available. |
| Eye damage/irritation | No information available. |
| Sensitization | No information available. |
| Germ cell mutagenicity | No information available. |
| Carcinogenicity | No information available. |
| Reproductive toxicity | No information available. |
| Developmental Toxicity | No information available. |
| STOT - single exposure | No information available. |
| STOT - repeated exposure | No information available. |
| Chronic toxicity | No information available. |
| Aspiration hazard | No information available. |

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document .

| | |
|--------------------------------------|-------------|
| ATEmix (oral) | 12568 mg/kg |
| ATEmix (dermal) | 13299 mg/kg |
| ATEmix (inhalation-dust/mist) | 363 mg/l |

12. ECOLOGICAL INFORMATION

Ecotoxicity

0.10925% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment

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

Contaminated packaging Do not re-use empty containers.

California Hazardous Waste Codes

This product contains one or more 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 Not regulated

RID Not regulated

ADR Not regulated

ADN Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA -
DSL/NDSL -
EINECS/ELINCS -
ENCS -
IECSC -
KECL -
PICCS -
AICS -

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 Commercial Chemical Substances/EU List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

US 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.

| Chemical Name | SARA 313 - Threshold Values % |
|--|-------------------------------|
| Triethylene glycol, monobutyl ether - 143-22-6 | 1.0 |

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 contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42):

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302):

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals at levels requiring a warning in the State of California.

U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|---|------------|---------------|--------------|
| Triethylene glycol, monobutyl ether 143-22-6 | X | | X |

U.S. EPA Label information

EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

| | | | | |
|-------------|-----------------|----------------|-------------------|---------------------------------|
| NFPA | Health hazard 0 | Flammability 0 | Instability 0 | Physical and chemical hazards - |
| HMIS | Health hazard 0 | Flammability 0 | Physical Hazard 0 | Personal protection X |

Prepared By Sun Products Corporation
Regulatory Affairs
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Revision Note
No information available

Disclaimer

The (M)SDS is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Sun Products Corporation to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Sun Products Corporation assumes no responsibility for injury to the recipient of third persons, or for any damage to any property resulting from misuse of the product.

End of Material Safety Data Sheet