SAFETY DATA SHEET

Issue date 6 November 2019 CU000003.2

Section 1: Identification of Product and Company

Product Name	Trader Joe's Dishwasher Detergent Gel Lemon Scent
Synonyms	00580076
Product Use	Machine Dishwashing
Restrictions on Use	Follow directions on the product label

Distributed by	Trader Joe's
Address	Monrovia, CA 91016

Emergency Telephone Number	

Section 2: Hazards Identification

Classification	
U.S.	This product is considered hazardous under the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Hazard Category	
Eye Damage/Irritation	Category 2B

Signal Word

WARNING

Hazard Statement(s)

H320 Causes eye irritation

Hazard Pictogram(s)

None

Precautionary Statement(s) - General - Consumer Products

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.

Precautionary Statement(s) - Prevention

Wash hands thoroughly after handling.

Precautionary Statement(s) - Response

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

Precautionary Statement(s) - Storage

None

Precautionary Statement(s) - Disposal

None

Hazards not otherwise identified
None known

Percent ingredients with unknown acute toxicity
0% of the product consists of ingredients of unknown acute oral toxicity. Refer to Section 11.

Section 3: Composition, Information on Ingredients

Ingredient	Function	CAS Number	Concentration[1]
aqua (water)	water softener	7732-18-5	10% - 30%
sodium citrate	processing aid	68-04-2 / 6132-04-3	10% - 30%
ppg-10-laureth-7	processing and flow aid	68439-51-0	10% - 30%
sodium silicate	water softener	1344-09-8	3% - 10%
citric acid	water spot prevention agent	77-92-9	3% - 10%
xanthan gum	protection agent	11138-66-2	1% - 3%
calcium chloride	water spot prevention agent	10043-52-4	1% - 3%
protease (subtilisin) (aep)	enzyme soil remover	9014-01-1	<0.1%
amylase (aep)	enzyme soil remover	9000-90-2	<0.1%
citrus grandis (grapefruit) peel oil	fragrance	8016-20-4	<0.1%
citrus limon (lemon) peel oil	fragrance	8008-56-8	<0.1%
cymbopogon schoenanthus (lemongrass) oil	fragrance	8007-02-1	<0.1%
d-limonene	fragrance	5989-27-5	<0.1%
benzisothiazolinone	preservative	2634-33-5	<0.1%
methylisothiazolinone	preservative	2682-20-4	<0.1%

[1] Where ranges are shown, the exact concentration has been withheld as a trade secret.

Section 4: First Aid Measures

Eye Contact	Flush eyes with water immediately after contact. Contact a physician if irritation develops or persists.
Skin Contact	Rinse thoroughly with water. Call a physician if irritation or rash develops or persists.
Ingestion	Drink one glass of water or milk immediately. If prolonged nausea or pain occurs call a doctor.
Inhalation	If irritation occurs, remove to fresh air. If breathing is affected, call a physician.
Notes to Physician	Treat symptomatically.
Most important symptoms and effects	Acute exposure may result in eye irritation. Symptoms of acute exposure may include the following: redness and pain.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media	As appropriate for surrounding fire. Use water, dry chemical, carbon dioxide or foam.
Unsuitable Extinguishing Media	Not available.
Specific Hazards arising from the chemical mixture	Not available.
Hazardous Combustion Products	Not available.
Protective Equipment and Precautions for Firefighters	Fire fighters should wear full protective clothing and self contained breathing apparatus as for surrounding fire.

Section 6: Accidental Release Measures

Personal Precautions	
Industrial Setting	Wear appropriate personal protective equipment (refer to Section 8).

Environmental Precautions	Avoid entry into lakes, streams, ponds or public waterways.
Methods for Containment and Cleaning Up	
Industrial Setting	Before attempting clean up, refer to hazard data given. Material may be slippery if spilled and wet. Prevent spill from entering a waterway. Stop spill at source and contain material. Dispose liquid in accordance with all applicable local, state, and federal regulations.
Household Setting	Small spills and leaks may be cleaned up and disposed of in normal household trash or diluted and disposed of via sewer.

Section 7: Handling and Storage

Safe Handling	
Industrial Setting	Wear appropriate personal protective equipment (refer to section 8).
Household Setting	Use as directed on product label.
Safe Storage	KEEP OUT OF REACH OF CHILDREN AND PETS. Store in original container and keep container closed when not in use. Avoid freezing.
Storage Incompatibilities	None known.

Section 8: Exposure Controls, Personal Protection

Exposure Limits	Occupational exposure limits	
Component Information:		
calcium chloride	10043-52-4	Ontario - OEL - 5 mg/m3 TWA
protease (subtilisin) (aep)	9014-01-1	ACGIH - TLV - 0.00006 mg/m3 Ceiling NIOSH - 0.00006 mg/m3 STEL (60 min) CA, CT, HI, MI, MN, NY, TN, WA - OEL/PEL - 0.00006 mg/m3 STEL (60 min) AB, BC, MB, NB, NL, NT, NS, NU, ON, PE, QC, SK, YT - OEL - 0.00006 mg/m3 Ceiling
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Engineering Controls	General ventilation.	
Personal Protective Equipment (PPE)		
Industrial Setting		
Respiratory Protection	None required under normal conditions. General ventilation required.	
Eye Protection	Goggles or other protective eye wear may be worn for protection.	
Skin Protection	Gloves may be worn for protection.	
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice.	
Household Setting	No special precautions necessary as long as product is used as directed.	

Section 9: Physical and Chemical Properties

Physical State	Liquid (gel).
Color	White
Clarity	Opaque
Odor	Fragranced. Characteristic of the ingredients
Odor Threshold	Not available.

pH	7.2 - 7.8
Melting Point	Not available.
Freezing Point	Not available.

Initial Boiling Point and Boiling Range	Not available.
Flash Point	Not available. Aqueous Solution.
Evaporation Rate	Not available.
Upper Explosive Limit (UEL)	Not applicable.
Lower Explosive Limit (LEL)	Not applicable.
Vapor Pressure (mmHg)	Not available.
Specific Gravity (H2O = 1)	1.05 - 1.08
Relative Density	Not available.
Vapor Density (Air = 1)	Not available.
Solubility in Water	Miscible
Partition Coefficient: n-octanol/water	Not available.
Auto-Ignition Temperature	Not available.
Decomposition Temperature	Not available.
Viscosity	Not available.
VOC (weight %)	Not available.

Section 10: Stability and Reactivity

Reactivity	Not available.
Chemical Stability	Stable under normal conditions of use and storage.
Possibility of Hazardous Reactions	None known.
Conditions to Avoid	None known.
Incompatible Materials	
Industrial Setting	None known.
Household Setting	In general, cleaning products should not be mixed with other household chemicals, unless specifically provided for in the use directions.
Hazardous Decomposition Products	None known.

Section 11: Toxicological Information

Potential Route(s) of Exposure	Eyes. Skin. Ingestion.	
Effects of Acute Exposure		
Oral Toxicity	LD50 >5000 mg/kg, calculated based on ingredients.	
Dermal Toxicity	Not determined.	
Inhalation Toxicity	Not determined.	
Component Information[1]:		
aqua (water)	7732-18-5	Not applicable
sodium citrate	68-04-2 / 6132-04-3	LD50 acute oral (rat) 5400 mg/kg
ppg-10-laureth-7	68439-51-0	LD50 acute oral (rat) 3530 mg/kg
sodium silicate	1344-09-8	LD50 acute oral (rat) 1960 mg/kg
citric acid	77-92-9	LD50 acute oral (rat) 5400 mg/kg
xanthan gum	11138-66-2	LD50 acute oral (rat) >5000 mg/kg
calcium chloride	10043-52-4	LD50 acute oral (rat) >2000 mg/kg
protease (subtilisin) (aep)	9014-01-1	LD50 acute oral (rat) 1800 mg/kg
amylase (aep)	9000-90-2	LD50 acute oral (rat) >7500 mg/kg
citrus grandis (grapefruit) peel oil	8016-20-4	LD50 acute oral (rat) >5000 mg/kg
citrus limon (lemon) peel oil	8008-56-8	LD50 acute oral (rat) 2840 mg/kg
cymbopogon schoenanthus (lemongrass) oil	8007-02-1	LD50 acute oral (rat) >5000 mg/kg
d-limonene	5989-27-5	LD50 acute oral (rat) 4400 mg/kg
benzisothiazolinone	2634-33-5	LD50 acute oral (rat) 1020 mg/kg
methylisothiazolinone	2682-20-4	LD50 acute oral (rat) 120 mg/kg
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Eye Contact	Mild Irritant, based on in-vitro data.	

Skin Contact	Not classifed for skin irritation, based on ingredients.
Skin Sensitization	Not classified for skin sensitization, based on ingredients.
Respiratory Sensitization	Not classified for respiratory sensitization, based on ingredients.
Carcinogenicity	Not classified - based on ingredients
NTP	No Ingredients Listed
IARC	No Ingredients Listed
OSHA	No Ingredients Listed
Reproductive Effects	Not classified - based on ingredients
Mutagenicity	Not classified - based on ingredients
Specific Target Organ Toxicity - Single Exposure	Not classified - based on ingredients
Specific Target Organ Toxicity - Repeat Exposure	Not classified - based on ingredients
Aspiration Toxicity	Not classified - based on ingredients

Section 12: Ecological Information

Ecotoxicity	Not available.
Persistence and Degradability	This product is biodegradable, based on ingredients.
Bioaccumulative Potential	No known significant effects or critical hazards.
Mobility in Soil	Not available.
Environmental Fate	No adverse effects expected.

Section 13: Disposal Considerations

Product Waste	Any disposal must be in compliance with applicable local, state, provincial and federal laws and regulations.
Industrial Setting	When disposed as waste in its original form, this product is not considered hazardous waste under Federal regulations, however regulations may vary by state or province and may designate it as hazardous waste. Check with your local waste and waste water authorities. We are aware of the following state waste classifications:
California Hazardous Waste Code	561
Connecticut Hazardous Waste Code	CT04
Michigan Liquid Waste Code	029L
Washington Hazardous Waste Code	WT02
Household Setting	Product residues in the container may be discarded in trash.
Empty Packaging	Offer empty container for recycling. If recycling is not available, discard in trash.

Section 14: Transport Information

U.S. DOT	Not regulated.
U.S. States	See U.S. DOT for finished product classification for transport.
Waste	Regulated in some states if the product is disposed of in its original form as waste by commercial users/handlers. Refer to Section 13. for applicable state waste codes.
IMDG (Marine Transport)	Not regulated.
IATA (Air Transport)	Not regulated.

Section 15: Regulatory Information

U.S.	
Toxic Substances Control Act (TSCA)	This product complies with the inventory requirements of the U.S. Toxic Substances Control Act (TSCA).
California Prop 65	This product is not subject to the labeling requirements of California's Proposition 65.

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California Air Resources Board (CARB)	Not applicable.		
Right to Know	Regardless of hazard classification, all intentionally added ingredients are listed on the product label. Please refer to Section 3. of this SDS for ingredient listing.		
Component Information:			
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Ingredient Transparency			
California Cleaning Product Right to Know Act			
Learn more about these Designated Lists			
Ingredient	**Function**	**CAS Number**	**Designated Lists**
aqua (water)	water softener	7732-18-5	.
sodium citrate	processing aid	68-04-2 / 6132-04-3	.
ppg-10-laureth-7	processing and flow aid	68439-51-0	Canada PBTs.
sodium silicate	water softener	1344-09-8	.
citric acid	water spot prevention agent	77-92-9	.
xanthan gum	protection agent	11138-66-2	.
calcium chloride	water spot prevention agent	10043-52-4	.
protease (subtilisin) (aep)	enzyme soil remover	9014-01-1	EU Respiratory Sensitizers.
amylase (aep)	enzyme soil remover	9000-90-2	EU Respiratory Sensitizers.
citrus grandis (grapefruit) peel oil	fragrance	8016-20-4	.
citrus limon (lemon) peel oil	fragrance	8008-56-8	.
cymbopogon schoenanthus (lemongrass) oil	fragrance	8007-02-1	.
d-limonene	fragrance	5989-27-5	EU Fragrance Allergens.
benzisothiazolinone	preservative	2634-33-5	.
methylisothiazolinone	preservative	2682-20-4	.
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Other	Fragrances used in this product comply with applicable International Fragrance Association (IFRA) guidance.		

Section 16: Other Information

Hazardous Materials Identification System (HMIS) Rating Legend: 4-Severe, 3-Serious, 2-Moderate, 1-Slight, 0-Minimal	**HEALTH**	**1**
	FLAMMABILITY	**0**
	PHYSICAL HAZARDS	**0**
	PERSONAL PROTECTION	**A**

National Fire Protection Association (NFPA) Rating	Not determined.

Consumer Product Label Information

DIRECTIONS FOR USE:
LOAD DISHWASHER: Make sure items can be safely washed in a dishwasher. Silver, aluminum and stainless steel should be washed in separate loads to avoid discoloration. Load items with soiled surfaces facing the center of the bottom rack, for optimum dishwashing experience.
ADD DISHWASHER DETERGENT GEL: Fill main cup according to machine directions.

KEEP OUT OF REACH OF CHILDREN. If product gets into eyes, flush with water. If swallowed, drink plenty of water.

Prepared for	Trader Joe's
Issuing Date	6 November 2019
Revision Date	6 November 2019
Revision Note	Revised Sections 3, 8, 11, 12 and 15.

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Please note: This product is manufactured and marketed for consumer use and should be used as directed on the product label for the intended purpose. This product conforms to standard specifications when released to the market and when used according to directions. To the best of our knowledge, the information contained herein is accurate. However, we do not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any product is the sole responsibility of the user. All products may present unknown hazards and should be used with requisite caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Other abbreviations used in this document:

DOT – (U.S.) Department of Transportation
EPA – (U.S.) Environmental Protection Agency
IARC – International Agency for Research on Cancer
NTP – (U.S. Department of Health and Human Services) National Toxicology Program
OSHA – (U.S.) Occupational Safety and Health Administration

End of Safety Data Sheet