SAFETY DATA SHEET

Issue date 11 December 2019 CU000001.2

Section 1: Identification of Product and Company

Product Name	Trader Joe's Automatic Dishwasher Detergent Concentrated Monodose Packs
Synonyms	00951661
Product Use	Machine Dishwashing
Restrictions on Use	Follow directions on the product label

Distributed by **Address**	Trader Joe's 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 2A
Respiratory Sensitization	Category 1

Signal Word
DANGER

Hazard Statement(s)
H319 Causes serious eye irritation
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

Hazard Pictogram(s)

Health Hazard



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.
Wear eye protection.

Avoid breathing dust/fume/gas/mist/vapors/spray.
In case of inadequate ventilation, wear respiratory protection.

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.

If inhaled: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.
If experiencing respiratory symptoms: Call a doctor or poison control center.

Precautionary Statement(s) - Storage

None

Precautionary Statement(s) - Disposal

Dispose of contents and container in accordance with applicable regulations.

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]
sodium carbonate	cleaning agent	497-19-8	30% - 100%
citric acid	water softener	77-92-9	10% - 30%
sodium sulfate	processing aid	7757-82-6	10% - 30%
sodium percarbonate	oxygen stain removal agent	15630-89-4	3% - 10%
ppg-10-laureth-7	cleaning agent	68439-51-0	1% - 3%
sodium polyaspartate	anti-filming agent	34345-47-6	1% - 3%
sodium silicate	cleaning enhancer	1344-09-8	1% - 3%
sodium magnesium silicate	anti-spotting agent	53320-86-8	<1%
sodium aluminosilicate	water softener	68989-22-0	<1%
protease (subtilisin) (aep)	enzyme soil remover	9014-01-1	0.1% - 1%
amylase (aep)	enzyme soil remover	9000-90-2	<0.1%
Film:	.	.	.
polyvinyl alcohol	water soluble film	139871-83-3	1% - 3%
glycerin	processing aid	56-81-5	<1%

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

Section 4: First Aid Measures

Eye Contact	Promptly flush with large amounts of water for at least 15 minutes. Contact a physician if redness or irritation persists.
Skin Contact	Rinse thoroughly with water. Call a physician if irritation or rash develops or persists.
Ingestion	Do not induce vomiting. Rinse out mouth and drink one glass of water immediately. Contact a poison control center or physician.
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.

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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. Transfer powder to container for recovery or disposal. 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.

Section 7: Handling and Storage

Safe Handling	
Industrial Setting	Wear appropriate personal protective equipment when handling powder or dust (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 in a cool, dry place and keep container closed when not in use. Avoid freezing.
Storage Incompatibilities	Store away from acids.

Section 8: Exposure Controls, Personal Protection

Exposure Limits	Occupational exposure limits	
Component Information:		
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
glycerin	56-81-5	USA OSHA - PEL - 15 mg/m3 TWA (mist, total particulate); 5 mg/m3 TWA (mist, respirable fraction) CA, HI, MI, MN, NY, OR, TN, VT, WA - OEL/PEL - 10 mg/m3 PEL (mist, total dust); 5 mg/m3 TWA (mist, respirable fraction) WA - PEL - 20 mg/m3 STEL (mist, total particulate), 10 mg/m3 STEL (mist, respirable fraction) AB, NB, NT, NU, ON, QC, SK, YT - OEL - 10 mg/m3 (mist) TWA BC - OEL - 10 mg/m3 (mist); 3 mg/m3 TWA (mist, respirable) TWA NT, NU, SK - OEL - 20 mg/m3 (mist) STEL
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Engineering Controls	General ventilation.	
Personal Protective Equipment (PPE)		
Industrial Setting		

Respiratory Protection	General ventilation required. Wear respiratory protection in case of inadequate ventilation, when handling powder, dust or mist.
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	Solid (powder in PVA Pouch).
Color	White
Clarity	Solid
Odor	Unfragranced. Characteristic of the ingredients
Odor Threshold	Not available.

pH (1% aqueous dilution)	9.2 - 10.2
Melting Point	Not available.
Flammability	Not flammable.
Upper Explosive Limit (UEL)	Not applicable.
Lower Explosive Limit (LEL)	Not applicable.
Vapor Pressure (mmHg)	Not available.
Vapor Density (Air = 1)	Not available.
Solubility in Water	Soluble
Auto-Ignition Temperature	Not available.
Decomposition Temperature	Not available.
Bulk Density	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	Strong oxidizers or reducing agents, strong acids or strong bases.
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. Inhalation.	
Effects of Acute Exposure		
Oral Toxicity	LD50 >2000 mg/kg, calculated based on ingredients.	
Dermal Toxicity	Not determined.	
Inhalation Toxicity	Not determined.	
Component Information[1]:		
sodium carbonate	497-19-8	LD50 acute oral (rat) 2800 mg/kg
citric acid	77-92-9	LD50 acute oral (rat) 5400 mg/kg
sodium sulfate	7757-82-6	LD50 acute oral (rat) >10000 mg/kg
sodium percarbonate	15630-89-4	LD50 acute oral (rat) 1034 mg/kg
ppg-10-laureth-7	68439-51-0	LD50 acute oral (rat) 3530 mg/kg
sodium polyaspartate	34345-47-6	LD50 acute oral (rat) >5000 mg/kg

sodium silicate	1344-09-8	LD50 acute oral (rat) 1960 mg/kg
sodium magnesium silicate	53320-86-8	LD50 acute oral (rat) >2000 mg/kg
sodium aluminosilicate	68989-22-0	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
Film:	.	.
polyvinyl alcohol	139871-83-3	LD50 acute oral (rat) 20000 mg/kg
glycerin	56-81-5	LD50 acute oral (rat) >12600 mg/kg
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Eye Contact	Moderate Irritant, based on ingredients.	
Skin Contact	Not classifed for skin irritation, based on ingredients.	
Skin Sensitization	Not classified for skin sensitization, based on ingredients.	
Respiratory Sensitization	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	Non inorganic components are biodegradable.
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	CT05
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.

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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.	
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:		
sodium sulfate	7757-82-6	Massachusetts Pennsylvania
glycerin	56-81-5	Massachusetts New Jersey Pennsylvania
.	.	.

Ingredient Transparency			
California Cleaning Product Right to Know Act			
Learn more about these Designated Lists			
Ingredient	**Function**	**CAS Number**	**Designated Lists**
sodium carbonate	cleaning agent	497-19-8	.
citric acid	water softener	77-92-9	.
sodium sulfate	processing aid	7757-82-6	.
sodium percarbonate	oxygen stain removal agent	15630-89-4	.
ppg-10-laureth-7	cleaning agent	68439-51-0	Canada PBTs.
sodium polyaspartate	anti-filming agent	34345-47-6	.
sodium silicate	cleaning enhancer	1344-09-8	.
sodium magnesium silicate	anti-spotting agent	53320-86-8	Canada PBTs.
sodium aluminosilicate	water softener	68989-22-0	.
protease (subtilisin) (aep)	enzyme soil remover	9014-01-1	EU Respiratory Sensitizers.
amylase (aep)	enzyme soil remover	9000-90-2	EU Respiratory Sensitizers.
Film:	.	.	.
polyvinyl alcohol	water soluble film	139871-83-3	.
glycerin	processing aid	56-81-5	.

Section 16: Other Information

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

National Fire Protection Association (NFPA) Rating	Not determined.

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Consumer Product Label Information

CAUTION:
EYE IRRITANT
HARMFUL IF SWALLOWED

DIRECTIONS:
Make sure items can be safely washed in dishwasher. Silver, aluminum and stainless steel should be washed in separate loads to avoid discoloration. Load items with the soiled surfaces facing the center and keep taller items away from the center of the bottom rack.
Use one pack per load. Do not unwrap orpuncture pack. Do not handle pack with wet hands. Place pack in main dispenser cup and close immediately. Re-seal package after use and store in a dry place. For very hard water a rinse aid is recommended.

SAFETY INFORMATION: KEEP OUT OF REACH OF CHILDREN. Avoid contact with eyes. IF SWALLOWED: Drink plenty of water and consult a physician. CONTACT WITH EYES: Flush with water immediately for at least 15 minutes and consult a physician.

Prepared for	Trader Joe's
Issuing Date	11 December 2019
Revision Date	11 December 2019
Revision Note	Revised Section 15.

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