

# SAFETY DATA SHEET



Issue date 24 October 2024

FM000144-00.1

This Safety Data Sheet (SDS) has been prepared in accordance with the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200) to provide safe handling information for the industrial setting such as in manufacturing facilities, transport, warehouses, stores and professional settings where product is used for institutional and commercial purposes. This SDS is designed to cover both U.S. and Canada, differences between U.S. and Canadian requirements are noted where applicable.

Consumer Products as defined by the U.S. Consumer Product Safety Act and Federal Hazardous Substances Act and which are used for the intended purpose in the household setting or in a workplace setting with typical consumer duration and frequency are exempted from the U.S. OSHA Hazard Communication Standard (29 CFR 1910.1200).

## Section 1: Identification of Product and Company

Product Name	Dishwasher Detergent Packs Triple Action Clean - Free & Clear
Synonyms	732913452897, 732913452880, 732913452903
Product Use	Automatic Dishwashing
Restrictions on Use	Follow directions on the product label
Manufacturer Name Address	Seventh Generation, Inc. 60 Lake Street, Burlington, VT 05401, USA
Emergency Telephone Number Monday - Friday 8 am - 5 pm ET (except holidays) Outside these hours	U.S., Canada 1-800-211-4279 1-800-255-3924 (ChemTel)

## Section 2: Hazards Identification

Classification	
U.S.	This product is considered hazardous under the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).
Canada	This product is considered hazardous under the WHMIS 2015.
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	
The Health Hazard pictogram, which is a red diamond with a black border containing a black silhouette of a person with a star on their chest.	

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## Precautionary Statement(s) - General

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

Regardless of hazard classification, Seventh Generation discloses all intentionally added ingredients and, if applicable, incidental ingredients.

Ingredient	Function	CAS Number <sup>1</sup>	Concentration <sup>1</sup>
sodium carbonate	cleaning agent	497-19-8	15% to 40%
sodium citrate	water softener	6132-04-3	10% to 30%
aqua (water)	diluent	7732-18-5	10% to 30%
tetrasodium glutamate diacetate	cleaning enhancer	51981-21-6	5% to 10%
citric acid	pH adjuster	77-92-9	3% to 7%
polyvinyl alcohol	water soluble film	WITHHELD	1% to 5%
sodium sulfate	processing aid	7757-82-6	1% to 5%
sodium percarbonate	cleaning agent	15630-89-4	1% to 5%
C12-16 alcohols ethoxylated propoxylated	cleaning agent	68439-51-0	1% to 5%
sodium polyaspartate	cleaning agent	34345-47-6 / 94525-01-6	1% to 5%
sodium silicate	cleaning enhancer	1344-09-8	1% to 5%
sorbitol	solvent	68425-17-2	0.1% to 1%
C16-18 alcohols ethoxylated	processing aid	68439-49-6	0.1% to 1%
glycerin	processing aid	56-81-5	0.1% to 1%
xanthan gum	thickener	11138-66-2	0.1% to 1%

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dipropylene glycol	processing aid	25265-71-8	<0.1%
protease (subtilisin) (aep)	enzyme cleaning agent	9014-01-1	0.1% to 1%
amylase (aep)	enzyme cleaning agent	9000-90-2	<0.1%
benzisothiazolinone	preservative	2634-33-5	<0.01%

<sup>1</sup> Where ranges are shown, the exact concentration has been withheld as a trade secret. Where WITHHELD is shown, the CAS number has been withheld as a trade secret.

## Section 4: First Aid Measures

<b>Eye Contact</b>	Promptly flush with large amounts of water for at least 15 minutes. Contact a physician if redness or irritation persists.
<b>Skin Contact</b>	Rinse thoroughly with water. Call a physician if irritation or rash develops or persists.
<b>Ingestion</b>	Do not induce vomiting. Rinse out mouth and drink one glass of water immediately. Contact a poison control center or physician.
<b>Inhalation</b>	If irritation occurs, remove to fresh air. If breathing is affected, call a physician.
<b>Notes to Physician</b>	Treat symptomatically.
<b>Most important symptoms and effects</b>	Acute exposure may result in eye irritation. Symptoms of acute exposure may include the following: redness and pain.

## Section 5: Fire Fighting Measures

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

## Section 6: Accidental Release Measures

<b>Personal Precautions</b>	
<b>Industrial Setting</b>	Wear appropriate personal protective equipment (refer to Section 8).
<b>Environmental Precautions</b>	Avoid entry into lakes, streams, ponds or public waterways.
<b>Methods for Containment and Cleaning Up</b>	
<b>Industrial Setting</b>	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.

## Section 7: Handling and Storage

<b>Safe Handling</b>	
<b>Industrial Setting</b>	Wear appropriate personal protective equipment (refer to section 8).
<b>Safe Storage</b>	KEEP OUT OF REACH OF CHILDREN AND PETS. Store in original container and keep container closed when not in use. Avoid freezing.
<b>Storage Incompatibilities</b>	Store away from acids.

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## Section 8: Exposure Controls, Personal Protection

Exposure Limits		Occupational exposure limits
Component Information:		
sodium percarbonate	15630-89-4	ACGIH - TLV-TWA - 10 mg/m <sup>3</sup> 8 hr TWA particulates not otherwise classified USA OSHA - PEL - 15 mg/m <sup>3</sup> 8 hr TWA for nuisance particles
sodium silicate	1344-09-8	USA - PEL - 2 mg/m <sup>3</sup> 15 min TWA dusts (recommended by analogy with sodium hydroxide)
glycerin	56-81-5	USA OSHA - PEL - 15 mg/m <sup>3</sup> TWA (mist, total particulate); 5 mg/m <sup>3</sup> TWA (mist, respirable fraction) CA, HI, MI, MN, NY, OR, TN, VT, WA - OEL/PEL - 10 mg/m <sup>3</sup> PEL (mist, total dust); 5 mg/m <sup>3</sup> TWA (mist, respirable fraction) WA - PEL - 20 mg/m <sup>3</sup> STEL (mist, total particulate), 10 mg/m <sup>3</sup> STEL (mist, respirable fraction) AB, NB, NT, NU, ON, QC, SK, YT - OEL - 10 mg/m <sup>3</sup> (mist) TWA BC - OEL - 10 mg/m <sup>3</sup> (mist); 3 mg/m <sup>3</sup> TWA (mist, respirable) TWA NT, NU, SK - OEL - 20 mg/m <sup>3</sup> (mist) STEL
protease (subtilisin) (aep)	9014-01-1	ACGIH - TLV - 0.00006 mg/m <sup>3</sup> Ceiling AOEC - Asthmagens - Sensitizer (324.010) NIOSH - 0.00006 mg/m <sup>3</sup> STEL (60 min) CA, CT, HI, MI, MN, NY, TN, WA - OEL/PEL - 0.00006 mg/m <sup>3</sup> STEL (60 min) AB, BC, MB, NB, NL, NT, NS, NU, ON, PE, QC, SK, YT - OEL - 0.00006 mg/m <sup>3</sup> Ceiling
amylase (aep)	9000-90-2	AOEC - Asthmagens - Sensitizer (324.17)
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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.	

## Section 9: Physical and Chemical Properties

Physical State	Solid (powder) and Liquid (gel) in PVA Pouch.
Color	White to off-white
Clarity	Solid (powder) and opaque (gel)
Odor	Unfragranced. Characteristic of the ingredients
Odor Threshold	Not available.
pH (aqueous dilution)	10.4 - 11.2 (1%)

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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.
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 classified. No known effects based on ingredients.	
Inhalation Toxicity	Not classified. No known effects based on ingredients.	
Component Information <sup>1</sup> :		
sodium carbonate	497-19-8	LD50 acute oral (rat) 2800 mg/kg
sodium citrate	6132-04-3	LD50 acute oral (rat) 5400 mg/kg
aqua (water)	7732-18-5	Not applicable
tetrasodium glutamate diacetate	51981-21-6	LD50 acute oral (rat) >5000 mg/kg
citric acid	77-92-9	LD50 acute oral (rat) 5400 mg/kg
polyvinyl alcohol	WITHHELD	LD50 acute oral (rat) >2000 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
C12-16 alcohols ethoxylated propoxylated	68439-51-0	LD50 acute oral (rat) >2000 mg/kg
sodium polyaspartate	34345-47-6 / 94525-01-6	LD50 acute oral (rat) >5000 mg/kg
sodium silicate	1344-09-8	LD50 acute oral (rat) 1960 mg/kg
sorbitol	68425-17-2	LD50 acute oral (rat) 24370 mg/kg
C16-18 alcohols ethoxylated	68439-49-6	LD50 acute oral (rat) 1260 mg/kg
glycerin	56-81-5	LD50 acute oral (rat) 27200 mg/kg
xanthan gum	11138-66-2	LD50 acute oral (rat) >5000 mg/kg
dipropylene glycol	25265-71-8	LD50 acute oral (rat) 14850 mg/kg
protease (subtilisin) (aep)	9014-01-1	LD50 acute oral (rat) 1800 mg/kg
amylase (aep)	9000-90-2	LD50 acute oral (rat) >2000 mg/kg
benzisothiazolinone	2634-33-5	LD50 acute oral (rat) 1020 mg/kg
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Eye Contact	Moderate Irritant, based on in-vitro data.
Skin Contact	Not classified for skin irritation, based on ingredients. Possible irritation from prolonged contact with the undiluted product.
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

1LD50 acute oral toxicity (rat) – This is a value provided by the raw material supplier or scientific literature. It is not a value generated by Seventh Generation by testing using rats. Seventh Generation uses alternative, non-animal based methods and scientific literature to determine the safety classification of our products and their 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	CT04
Michigan Liquid Waste Code	MILIB
Washington Hazardous Waste Code	WT02
Other States	Any disposal must be in compliance with applicable local, state, provincial and federal laws and regulations.
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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<b>Waste</b>	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.
<b>Canadian TDG (Surface Transport)</b>	Not regulated.
<b>IMDG (Marine Transport)</b>	Not regulated.
<b>IATA (Air Transport)</b>	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.		
Canada			
Domestic Substances List (DSL)	This product complies with the inventory requirements under Canada’s Domestic Substances List (DSL).		
Right to Know	Regardless of hazard classification, all intentionally added ingredients and, if applicable incidental ingredients ≥1% are disclosed 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	
dipropylene glycol	25265-71-8	Pennsylvania	
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Ingredient Transparency			
California Cleaning Product Right to Know Act			
Learn more about these Designated Lists		<a href="https://www.seventhgeneration.com/ca-designated-lists">https://www.seventhgeneration.com/ca-designated-lists</a>	
Ingredient	Function	CAS Number	Designated Lists
sodium carbonate	cleaning agent	497-19-8	.
sodium citrate	water softener	6132-04-3	.
aqua (water)	diluent	7732-18-5	.
tetrasodium glutamate diacetate	cleaning enhancer	51981-21-6	.
citric acid	pH adjuster	77-92-9	.
polyvinyl alcohol	water soluble film	WITHHELD	.
sodium sulfate	processing aid	7757-82-6	CA Non-Cancer Hazards.
sodium percarbonate	cleaning agent	15630-89-4	.
C12-16 alcohols ethoxylated propoxylated	cleaning agent	68439-51-0	.
sodium polyaspartate	cleaning agent	34345-47-6 / 94525-01-6	.
sodium silicate	cleaning enhancer	1344-09-8	.
sorbitol	solvent	68425-17-2	.
C16-18 alcohols ethoxylated	processing aid	68439-49-6	.
glycerin	processing aid	56-81-5	.
xanthan gum	thickener	11138-66-2	.
dipropylene glycol	processing aid	25265-71-8	.

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protease (subtilisin) (aep)	enzyme cleaning agent	9014-01-1	EU Respiratory Sensitizers.
amylase (aep)	enzyme cleaning agent	9000-90-2	EU Respiratory Sensitizers.
benzisothiazolinone	preservative	2634-33-5	.
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## Section 16: Other Information

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

<b>National Fire Protection Association (NFPA) Rating</b>	Not determined.
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## Consumer Product Information

Refer to the product label for use directions, safety information, septic compatibility and how to dispose of the empty packaging.

Visit [seventhgeneration.com](http://seventhgeneration.com) for additional tips on buying, using and handling household cleaning products.

<b>Prepared by</b>	Seventh Generation, Inc.
<b>Issuing Date</b>	24 October 2024
<b>Revision Date</b>	24 October 2024
<b>Revision Note</b>	First Issue

Please note: This product is manufactured and may be marketed for consumer use or professional use and should be used as directed on the product label for the intended purpose. This product conforms to our standard specification 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  
 TDG – (Canadian) Transport of Dangerous Goods  
 WHMIS – (Canadian) Workplace Hazardous Materials Information System

End of Safety Data Sheet