# SAFETY DATA SHEET

**Issue date**: 11 December 2019

## Section 1: Identification of Product and Company

<table>
<thead>
<tr>
<th><strong>Product Name</strong></th>
<th>Trader Joe’s Automatic Dishwasher Detergent Concentrated Monodose Packs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Synonyms</strong></td>
<td>00951661</td>
</tr>
<tr>
<td><strong>Product Use</strong></td>
<td>Machine Dishwashing</td>
</tr>
<tr>
<td><strong>Restrictions on Use</strong></td>
<td>Follow directions on the product label</td>
</tr>
<tr>
<td><strong>Distributed by</strong></td>
<td>Trader Joe’s</td>
</tr>
<tr>
<td><strong>Address</strong></td>
<td>Monrovia, CA 91016</td>
</tr>
</tbody>
</table>

## Section 2: Hazards Identification

**Classification**


**Hazard Category**

<table>
<thead>
<tr>
<th>Eye Damage/Irritation</th>
<th>Category 2A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Respiratory Sensitization</td>
<td>Category 1</td>
</tr>
</tbody>
</table>

**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.
SAFETY DATA SHEET

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

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Function</th>
<th>CAS Number</th>
<th>Concentration1</th>
</tr>
</thead>
<tbody>
<tr>
<td>sodium carbonate</td>
<td>cleaning agent</td>
<td>497-19-8</td>
<td>30% - 100%</td>
</tr>
<tr>
<td>citric acid</td>
<td>water softener</td>
<td>77-92-9</td>
<td>10% - 30%</td>
</tr>
<tr>
<td>sodium sulfate</td>
<td>processing aid</td>
<td>7757-82-6</td>
<td>10% - 30%</td>
</tr>
<tr>
<td>sodium percarbonate</td>
<td>oxygen stain removal agent</td>
<td>15630-89-4</td>
<td>3% - 10%</td>
</tr>
<tr>
<td>ppg-10-laureth-7</td>
<td>cleaning agent</td>
<td>68439-51-0</td>
<td>1% - 3%</td>
</tr>
<tr>
<td>sodium polyaspartate</td>
<td>anti-filming agent</td>
<td>34345-47-6</td>
<td>1% - 3%</td>
</tr>
<tr>
<td>sodium silicate</td>
<td>cleaning enhancer</td>
<td>1344-09-8</td>
<td>1% - 3%</td>
</tr>
<tr>
<td>sodium magnesium silicate</td>
<td>anti-spotting agent</td>
<td>53320-86-8</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>sodium aluminosilicate</td>
<td>water softener</td>
<td>68989-22-0</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>protease (subtilisin) (aep)</td>
<td>enzyme soil remover</td>
<td>9014-01-1</td>
<td>0.1% - 1%</td>
</tr>
<tr>
<td>amylase (aep)</td>
<td>enzyme soil remover</td>
<td>9000-90-2</td>
<td>&lt;0.1%</td>
</tr>
<tr>
<td>Film:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>polyvinyl alcohol</td>
<td>water soluble film</td>
<td>139871-83-3</td>
<td>1% - 3%</td>
</tr>
<tr>
<td>glycerin</td>
<td>processing aid</td>
<td>56-81-5</td>
<td>&lt;1%</td>
</tr>
</tbody>
</table>

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**
Firefighters 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.

### Storage Incompatibilities

Store away from acids.

## Section 8: Exposure Controls, Personal Protection

### Exposure Limits

**Component Information:**

<table>
<thead>
<tr>
<th>Component Information</th>
<th>Occupational exposure limits</th>
</tr>
</thead>
</table>
| protease (subtilisin) (aep) | 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  
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  |
| glycerin | 9014-01-1  
56-81-5 |
| Engineering Controls | General ventilation. |
| Personal Protective Equipment (PPE) |  |
| **Industrial Setting** |  |
SAFETY DATA SHEET

<table>
<thead>
<tr>
<th>Respiratory Protection</th>
<th>General ventilation required. Wear respiratory protection in case of inadequate ventilation, when handling powder, dust or mist.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Protection</td>
<td>Goggles or other protective eye wear may be worn for protection.</td>
</tr>
<tr>
<td>Skin Protection</td>
<td>Gloves may be worn for protection.</td>
</tr>
<tr>
<td>Hygiene Measures</td>
<td>Handle in accordance with good industrial hygiene and safety practice.</td>
</tr>
<tr>
<td>Household Setting</td>
<td>No special precautions necessary as long as product is used as directed.</td>
</tr>
</tbody>
</table>

Section 9: Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Solid (powder in PVA Pouch).</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>White</td>
</tr>
<tr>
<td>Clarity</td>
<td>Solid</td>
</tr>
<tr>
<td>Odor</td>
<td>Unfragranced. Characteristic of the ingredients</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

- 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

<table>
<thead>
<tr>
<th>Reactivity</th>
<th>Not available.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chemical Stability</td>
<td>Stable under normal conditions of use and storage.</td>
</tr>
<tr>
<td>Possibility of Hazardous Reactions</td>
<td>None known.</td>
</tr>
<tr>
<td>Conditions to Avoid</td>
<td>None known.</td>
</tr>
<tr>
<td>Incompatible Materials</td>
<td>Strong oxidizers or reducing agents, strong acids or strong bases.</td>
</tr>
</tbody>
</table>

Industrial Setting

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

<table>
<thead>
<tr>
<th>Potential Route(s) of Exposure</th>
<th>Eyes. Skin. Ingestion. Inhalation.</th>
</tr>
</thead>
</table>

Effects of Acute Exposure

<table>
<thead>
<tr>
<th>Oral Toxicity</th>
<th>LD50 &gt;2000 mg/kg, calculated based on ingredients.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dermal Toxicity</td>
<td>Not determined.</td>
</tr>
<tr>
<td>Inhalation Toxicity</td>
<td>Not determined.</td>
</tr>
</tbody>
</table>

Component Information¹:

<table>
<thead>
<tr>
<th>Component Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>sodium carbonate</td>
</tr>
<tr>
<td>citric acid</td>
</tr>
<tr>
<td>sodium sulfate</td>
</tr>
<tr>
<td>sodium percarbonate</td>
</tr>
<tr>
<td>pgg-10-laureth-7</td>
</tr>
<tr>
<td>sodium polyaspartate</td>
</tr>
</tbody>
</table>

¹: Component Information includes LD50 values for acute oral exposure in rats.
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<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS Number</th>
<th>LD50 acute oral (rat)</th>
</tr>
</thead>
<tbody>
<tr>
<td>sodium silicate</td>
<td>1344-09-8</td>
<td>1960 mg/kg</td>
</tr>
<tr>
<td>sodium magnesium silicate</td>
<td>53320-86-8</td>
<td>&gt;2000 mg/kg</td>
</tr>
<tr>
<td>sodium aluminosilicate</td>
<td>68989-22-0</td>
<td>&gt;2000 mg/kg</td>
</tr>
<tr>
<td>protease (subtilisin) (aep)</td>
<td>9014-01-1</td>
<td>1800 mg/kg</td>
</tr>
<tr>
<td>amylase (aep)</td>
<td>9000-90-2</td>
<td>&gt;7500 mg/kg</td>
</tr>
<tr>
<td>Film</td>
<td></td>
<td></td>
</tr>
<tr>
<td>polyvinyl alcohol</td>
<td>139871-83-3</td>
<td>20000 mg/kg</td>
</tr>
<tr>
<td>glycerin</td>
<td>56-81-5</td>
<td>&gt;12600 mg/kg</td>
</tr>
</tbody>
</table>

**Eye Contact**
Moderate Irritant, based on ingredients.

**Skin Contact**
Not classifed for skin irritation, based on ingredients.

**Skin Sensitization**
Not classifed 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

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Function</th>
<th>CAS Number</th>
<th>Designated Lists</th>
</tr>
</thead>
<tbody>
<tr>
<td>sodium carbonate</td>
<td>cleaning agent</td>
<td>497-19-8</td>
<td></td>
</tr>
<tr>
<td>citric acid</td>
<td>water softener</td>
<td>77-92-9</td>
<td></td>
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<td>processing aid</td>
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<tr>
<td>sodium percarbonate</td>
<td>oxygen stain removal agent</td>
<td>15630-89-4</td>
<td></td>
</tr>
<tr>
<td>ppg-10-laureth-7</td>
<td>cleaning agent</td>
<td>68439-51-0</td>
<td>Canada PBTs</td>
</tr>
<tr>
<td>sodium polyaspartate</td>
<td>anti-filming agent</td>
<td>34345-47-6</td>
<td></td>
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<tr>
<td>sodium silicate</td>
<td>cleaning enhancer</td>
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<td>enzyme soil remover</td>
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<td>EU Respiratory Sensitizers</td>
</tr>
<tr>
<td>amylase (aep)</td>
<td>enzyme soil remover</td>
<td>9000-90-2</td>
<td>EU Respiratory Sensitizers</td>
</tr>
</tbody>
</table>

Film:
polyvinyl alcohol water soluble film 139871-83-3

Section 16: Other Information

Hazardous Materials Identification System (HMIS) Rating
Legend: 4-Severe, 3-Serious, 2-Moderate, 1-Slight, 0-Minimal

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>2*</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLAMMABILITY</td>
<td>1</td>
</tr>
<tr>
<td>PHYSICAL HAZARDS</td>
<td>0</td>
</tr>
<tr>
<td>PERSONAL PROTECTION</td>
<td>E</td>
</tr>
</tbody>
</table>

National Fire Protection Association (NFPA) Rating Not determined.
SAFETY DATA SHEET

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 or puncture 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