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

Product identifier:
Product name: Homeline Premium Dishwasher Pacs

Other identification means:
Synonyms: None

Use of substance/preparation and restrictions:
Recommended use: Automatic dishwasher pacs
Uses advised against: Use only as directed on label

SDS supplier details:
Company name: New Wave Global Services Inc.
Company identification: 2425 Matheson Blvd. E. 8th Floor
Mississauga ON L4W5K4

Company emergency telephone number: Emergency phone: 603-775-4400

2. HAZARDS IDENTIFICATION

Classification:
Serious eye damage 1
Skin sensitizer 1

Label elements
GHS-US labeling
Hazard pictograms:

Signal word: Danger

Hazard statements:
H318 Causes serious eye damage
H317 May cause an allergic skin reaction
Precautionary statements:
P280 Wear protective gloves/protective clothing/eye protection.
P264 Wash thoroughly after handling.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Hazards not otherwise classified (HNOC)
Other hazards. none

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical description: SG10268 chemical mixture

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS#</th>
<th>% by wt</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium carbonate</td>
<td>497-19-8</td>
<td>20-30</td>
</tr>
<tr>
<td>Sodium percarbonate</td>
<td>15630-89-4</td>
<td>20-25</td>
</tr>
<tr>
<td>Ethoxylated fatty alcohol</td>
<td>Trade secret</td>
<td>6-8</td>
</tr>
<tr>
<td>Fatty alcohol alkoxylate</td>
<td>78330-21-9</td>
<td>4-6</td>
</tr>
<tr>
<td>Sodium silicate</td>
<td>1344-09-8</td>
<td>0-4</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

First aid measures:

Eye contact: Remove contacts. Flush with water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin contact: Thoroughly wash exposed skin with soap and water. Remove any contaminated clothing and wash before reuse. If symptoms persist consult physician.

Inhalation: Remove to fresh air. If symptoms persist consult physician.

Ingestion: Wash out mouth with water. Drink plenty of water. Do not induce vomiting unless directed by medical personal. Never give anything to an unconscious person. Get medical aid.

Notes to physician: Treatment based on judgment of attending physician.

Most important symptoms and effects, both acute and delayed: No information available
5. FIRE FIGHTING MEASURES

Suitable extinguishing media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water, alcohol-resistant foam, dry chemical, or carbon dioxide; as appropriate for surrounding materials.

Unsuitable extinguishing media
No information available.

Specific exposure hazards
Thermal decomposition releases oxygen gas.

Hazardous combustion products
Carbon oxides.

Explosion data:
Sensitivity to mechanical impact: None.
Sensitivity to static discharge: None.

Special safety equipment:
Self-contained positive pressure breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

General measures: Use personal protective equipment. Do not get in eyes, on skin, or on clothing. Do not breathe dust.

Environmental precautions:

Environmental precautions: Product is contained within a pod of PVOH film. Collect pods and/or components and dispose of as hazardous waste.

Methods and material for containment and cleaning up:

Method for containment: Prevent dust/mist cloud. Collect pods and/or components and dispose as waste in accordance with local regulations.

Methods for cleaning up: Clear up dust or liquid spills from any burst pods immediately with absorbent material and brush up into suitable containers and dispose of in accordance with local regulations.

Procedures for non-emergency personnel:

Protective equipment: Keep out of reach of children and pets.

Emergency procedures: Evacuate unnecessary personnel.
Procedures for emergency personnel:

- **Protective equipment:** Equip cleanup crew with proper protection.
- **Emergency procedures:** Ventilate area.

**Reference to other sections:** See Heading 8. Exposure Controls and Personal Protection.

### 7. HANDLING AND STORAGE

**Precautions for safe handling:**

- **Handling:** Use personal protective equipment as required. Ensure good ventilation at the workplace.

**Information about fire and explosion protection:** Keep respiratory protective device available.

No special measures required.

**Conditions for safe storage, including any incompatibilities:**

- **Requirements to be met by storerooms and receptacles:**
  - Store in a cool location.
  - Protect from humidity and water.
  - Avoid storage near extreme heat, ignition sources or open flame.

- **Information about storage in one common storage facility:** Store away from foodstuffs.

- **Further information about storage conditions:**
  - Store in cool, dry conditions in well sealed receptacles.
  - Store receptacle in a well ventilated area.
  - Keep container tightly sealed.

- **Specific end use(s):** Store in dry area. Always keep container closed when not in use. KEEP OUT OF REACH OF CHILDREN AND PETS.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Control parameters:**

- **Exposure guidelines**
  - Exposure guideline for dust is 15 mg/m³ (OSHA PEL for total dust)
  - Use local exhaust or dilution ventilation. If dust present use approved dust mask.
  - Derived minimum exposure limit DMEL of 60 ng/m³ for workers and 15 ng/m³ for consumers has been derived for enzyme proteins.
Appropriate engineering controls:

Engineering measures: At Distribution, Workplace and Household Settings:
Ensure adequate ventilation plus showers and eyewash stations.

Individual protection measures:

Eye protection: Avoid contact with eyes, wear safety glasses when handling
Skin protection: Use body-covering impervious clothing.
Hand protection: Wear suitable gloves.
Respiratory protection: No special protective equipment required.
Working hygiene: Take usual precautions when handling. Users should wash hands after handling and before eating, drinking or smoking.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Physical and chemical properties</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Physical state</strong></td>
</tr>
<tr>
<td>Multi-compartment:</td>
</tr>
<tr>
<td>Powder and Liquid</td>
</tr>
<tr>
<td><strong>Appearance</strong></td>
</tr>
<tr>
<td>White/blue/yellow powder</td>
</tr>
<tr>
<td><strong>Odour</strong></td>
</tr>
<tr>
<td>Typical-slight fresh-scent</td>
</tr>
<tr>
<td><strong>Colour</strong></td>
</tr>
<tr>
<td>Green liquid</td>
</tr>
<tr>
<td><strong>Odour threshold</strong></td>
</tr>
<tr>
<td>No information available</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks/Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH 10 % solution</td>
<td>10.5-11.5</td>
<td>None known</td>
</tr>
<tr>
<td>Melting/freezing Point</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Boiling point/range</td>
<td>Not data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flash point</td>
<td>None</td>
<td>None known</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flammability limit in air:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Upper limit</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Lower limit</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Vapour density</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Specific gravity</td>
<td>0.8-1.0 g/cm³</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>soluble</td>
<td>None known</td>
</tr>
<tr>
<td>Solubility other solvents</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Partition coefficient:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>n-octanol/water</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Decomposition</td>
<td>No data available</td>
<td>None known</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET
Homeline Premium Dishwasher Pacs
Revision Date: December, 2018

10. STABILITY AND REACTIVITY

Reactivity: None under normal use conditions
Chemical stability: Stable under recommended storage conditions
Possibility of hazardous reactions: None under normal processing and use conditions
Hazardous polymerization: Does not occur.
Conditions to avoid: Temperatures above 70-75°C
Incompatible materials: Strong oxidizing agents, acids.
Hazardous decomposition products: Oxides of carbon, oxides of sulfur
Thermal decomposition /conditions to be avoided: Stable under normal conditions.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:
Product information
Inhalation Specific test data for substance/mixture not available
Eye contact Specific test data for mixture not available - however, may cause serious damage to the eyes
Skin contact Specific test data for mixture not available - however, may cause skin irritation and/or sensitisation
Ingestion Specific test data for substance/mixture not available

Component information:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50 (rat) mg/kg</th>
<th>Dermal LD50 (rabbit) mg/kg</th>
<th>Oral Inhalation LD50 (rat) 1 h mg/kg</th>
<th>LC50 (rabbit) mg/L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium carbonate</td>
<td>4090</td>
<td>&gt;2000</td>
<td>&gt;5000</td>
<td>&gt;5000</td>
</tr>
<tr>
<td>Sodium percarbonate</td>
<td>1034</td>
<td>&gt;2000</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Sodium silicate</td>
<td>3400</td>
<td>&gt;5000</td>
<td>&gt;2</td>
<td>N/A</td>
</tr>
<tr>
<td>Ethoxylated fatty alcohol</td>
<td>500 calculated est</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Fatty alcohol alkoxylate</td>
<td>&gt;500mg/kg estimate</td>
<td></td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>
Information on toxicological effects:

Symptoms: None known

Delayed/immediate/chronic effects from short and long term exposure:

Sensitization: Mixture not tested but some components may cause skin sensitisation
Mutagenic effects: None known
Carcinogenicity: No ingredients listed as a carcinogen
Reproductive toxicity: None known
STOT single exposure: None known
STOT repeated exposure: None known
Chronic toxicity: None known
Target organ effects: None known
Numerical measures of toxicity (based on GHS Chapter 3.1): Not applicable

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Persistence and degradability:

Bioaccumulative potential:

Mobility in soil:

Other adverse effects:

Other information:

Data listed below is based on Fatty alcohol alkoxylate only.

Ecotoxicity:

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Toxicity to fish</th>
<th>Toxicity to invertebrates</th>
<th>Toxicity to aquatic plants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fatty alcohol alkoxylate</td>
<td>LC50 (96h) 10-100mg/l Pimephales promelas</td>
<td>EC50 (48h) &gt; 100mg/l Daphnia magna</td>
<td>EC50 (72h) &gt; 10-100mg/l Pseudokirchneriella subcapitata</td>
</tr>
</tbody>
</table>

Persistence and degradability:

Elimination information

80 - 90 % (28 d) (OECD 301B; ISO 9439; 92/69/EEC, C.4-C) (aerobic, municipal sewage treatment plant effluent) Readily biodegradable (according to OECD criteria).

75 % (60 d) (DIN EN ISO 11734) (anaerobic, municipal sewage treatment plant effluent) moderately degradable under anaerobic conditions

Bioaccumulative potential: Accumulation in organisms is not to be expected
Mobility in soil: Assessment transport between environmental compartments. The substance will not evaporate into the atmosphere from the water surface. Adsorption to solid soil phase is possible.

Additional remarks environmental fate & pathway: Treatment in biological waste water treatment plants has to be performed according to local and administrative regulations.

Other ecotoxicological advice: Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations. Do not release untreated into natural waters.

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Mixture contains << 0.001% of a component classed as:

H411 Chronic aqua toxicity 2

13. DISPOSAL CONSIDERATIONS

Waste treatment methods: This material, as supplied, is not a hazardous waste according to Federal Regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste. If chemical additions are made to this material, or if the material is processed or otherwise altered consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements.

Disposal methods: Dispose of contents/containers in accordance with local regulations.

Contaminated packaging: California Hazardous Waste Codes: Not available.


14. TRANSPORT INFORMATION

DOT: Not regulated

IMDG: Not regulated

IATA: Not regulated
15 REGULATORY INFORMATION

US federal regulations:
TSCA
All components are listed or pending on the US TSCA Inventory.

TSCA – United States Toxic Substances Control Act Section 8(b) Inventory

US state regulations:

California Proposition 65
This product does not contain any Proposition 65 Chemicals.

16. OTHER INFORMATION

Issuing date: March 28, 2018
Revision date:
Revision note:

Disclaimer:
The manufacturer warrants that this product conforms to its standard specification when used according to direction. To the best of our knowledge the information contained herein is accurate. However we do not assume accuracy or completeness of the information contained herein.

Final determination of the suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

End of Safety Data Sheet