

# SAFETY DATA SHEET

Radiance Premium Dishwasher Gel Pacs

Revision Date: December, 2018

**newwave**

Revision Number: 1.0.2

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

**Product identifier:**

Product name Radiance Premium Dishwasher Gel Pacs

**Other identification means:**

None

Synonyms

**Use of substance/preparation and restrictions:**

Recommended use:

Automatic dishwasher pods

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

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### 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

Chemical name	CAS#	% by wt
Sodium carbonate	497-19-8	20-30
Sodium percarbonate	15630-89-4	20-25
Ethoxylated fatty alcohol	Trade secret	6-8
Fatty alcohol alkoxyate	78330-21-9	4-6
Sodium silicate	1344-09-8	0-4

## 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

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## 5. FIRE FIGHTING MEASURES

<b>Suitable extinguishing media</b>	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.
<b>Unsuitable extinguishing media</b>	No information available.
<b>Specific exposure hazards</b>	Thermal decomposition releases oxygen gas.
<b>Hazardous combustion products</b>	Carbon oxides.
<b><u>Explosion data:</u></b>	
<b>Sensitivity to mechanical impact:</b>	None.
<b>Sensitivity to static discharge:</b>	None.
<b>Special safety equipment:</b>	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.

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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.

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## 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/m<sup>3</sup> (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/m<sup>3</sup> for workers and 15 ng/m<sup>3</sup> for consumers has been derived for enzyme proteins.

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Appropriate engineering controls:

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**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

Physical and chemical properties

<b>Physical state</b>	Multi-compartment: Powder and Liquid		
<b>Appearance</b>	White/blue/yellow powder	<b>Odour</b>	Typical-slight fresh-scent
<b>Colour</b>	Green liquid	<b>Odour threshold</b>	No information available.

<u>Property</u>	<u>Values</u>	<u>Remarks/Method</u>
pH 10 % solution	10.5-11.5	None known
Melting/freezing Point	No data available	None known
Boiling point/range	Not data available	None known
Flash point	None	None known
Evaporation rate	No data available	None known
Flammability ( solid, gas)	No data available	None known
Flammability limit in air:		
Upper limit	No data available	None known
Lower limit	No data available	None known
Vapour pressure	No data available	None known
Vapour density	No data available	None known
Specific gravity	0.8-1.0 g/cm <sup>3</sup>	
Water solubility	soluble	None known
Solubility other solvents	No data available	None known
Partition coefficient:		
n-octanol/water	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known

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	<b>Sodium percarbonate</b>	
	<b>SADT of 70-75°C</b>	
Kinematic viscosity	No data available	None known
Dynamic viscosity	No data available	None known
Explosive properties	No data available	None known
Oxidizing properties	No data available	None known

### Other properties:

Softening point	No data available
VOC content %	No data available
Particle size	No data available
Particle size distribution	No data available

## 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:

Chemical Name	Oral LD50 mg/kg (rat)	Dermal LD50mg/kg (rabbit)	Inhalation LC50 mg/L (rat) 1 h
Sodium carbonate	4090	>2000	>5000
Sodium percarbonate	1034	>2000	N/A
Sodium silicate	3400	>5000	>2
Ethoxylated fatty alcohol	500 calculated est	N/A	N/A
Fatty alcohol alkoxyate	>500mg/kg estimate	N/A	N/A

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## 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:	No information available
Persistence and degradability:	No information available
Bioaccumulative potential:	No information available
Mobility in soil:	No information available
Other adverse effects:	No information available
Other information:	None

Data listed below is based on Fatty alcohol alkoxyate only.

### Ecotoxicity:

Chemical name	Toxicity to fish	Toxicity to invertebrates	Toxicity to aquatic plants
Fatty alcohol alkoxyate	LC50 (96h) 10-100mg/l Pimephales promelas	EC50 (48h) > 100mg/l Daphnia magna	EC50 (72h) > 10-100mg/l Pseudokirchneriella subcapitata

### 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

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**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

#### Contaminated packaging: California Hazardous Waste Codes

Dispose of contents/containers in accordance with local regulations.

#### Ecology – Waste Materials:

Not available.

Avoid release to the environment.

### 14. TRANSPORT INFORMATION

DOT	Not regulated
IMDG	Not regulated
IATA	Not regulated



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## 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**