



**Safety Data Sheet**  
**Power Up Pre-Soak for Flatware**  
SDS Revision Date: 05/20/2015  
Revision 2

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

<b>Product Identity</b>	Power Pre-Soak for Flatware
<b>Alternate Names</b>	Chemical Family: blended detergent

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

<b>Intended use</b>	Pre Soak Flatware.
<b>Application Method</b>	Add to sink or tub

### 1.3. Details of the supplier of the safety data sheet

<b>Company Name</b>	Big 3 Packaging, LLC 4201 Torresdale Avenue Philadelphia, PA 19124
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#### Emergency

<b>24 hour Emergency Telephone No.</b>	800-535-5053
<b>Customer Service: Big 3 Packaging, LLC</b>	215-743-4201

## 2. Hazard identification of the product

The hazard classification and label elements reflect the intrinsic properties of the concentrate product as supplied, which is sealed in a water soluble sachet. The sachet when intact provides a barrier to dermal and inhalation exposure under conditions of normal handling and use. The precautionary statements are applicable under conditions of potential exposure to the concentrate itself.

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

Acute Tox. 4;H302	Harmful if swallowed.
Skin Irrit. 2;H315	Causes skin irritation.
Eye Dam. 1;H318	Causes serious eye damage.
Aquatic Chronic 2;H411	Toxic to aquatic life with long lasting effects.

#### Classification according to 67/548/EEC or 1999/45/EC.

Xn	Harmful.
N	Dangerous for the environment.
R22	Harmful if swallowed.
R38	Irritating to skin.



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R41 Risk of serious damage to eyes.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**2.2. Label elements**

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

**According to Regulation (EC) No 1272/2008**



**Danger**

H302 Harmful if swallowed.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H411 Toxic to aquatic life with long lasting effects.

**[Prevention]:**

P264 Wash thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P273 Avoid release to the environment.  
P280 Wear protective gloves / eye protection / face protection.

**[Response]:**

P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor / physician.  
P302+352 IF ON SKIN: Wash with plenty of soap and water.  
P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.  
P312 Call a POISON CENTER or doctor / physician if you feel unwell.  
P321 Specific treatment (see information on this label).  
P330 Rinse mouth.  
P362 Take off contaminated clothing and wash before reuse.  
P391 Collect spillage.

**[Storage]:**

No CLP storage statements

**[Disposal]:**



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P501 Dispose of contents / container in accordance with local / national regulations.  
See Technical Data Sheet.

### 2.3. Other hazards

This product contains no PBT/vPvB chemicals.

## 3. Composition/information on ingredients

If the product contains substances that present a health hazard within the meaning of the Dangerous Substances Directive 67/548/EC, or have occupational exposure limits detailed in EH40, these substances are listed below.

Ingredient/Chemical Designations	Weight %	67/548/EEC Classification*	EC No. 1272/2008 Classification*	Notes
Octylphenoxypolyethoxyethanol CAS Number: 0009036-19-5 EC No. Index No.:	25 - 50	R22 R41 R50/53	Acute Tox. 4;H302 Eye Dam. 1;H318 Aquatic Chronic 2;H411	[1]
Coconut oil diethanolamine condensate CAS Number: 0068603-42-9 EC No. 271-657-0 Index No.:	25 - 50	R38 R36	Skin Irrit. 2;H315 Eye Irrit. 2;H319	[1]
Diethylene glycol CAS Number: 0000111-46-6 EC No. 203-872-2 Index No.: 603-140-00-6	10 - 25	Xn;R22	Acute Tox. 4;H302	[1]
1-Octanamine, N,N-dimethyl-, N-oxide CAS Number: 0002605-78-9 EC No. Index No.:	1.0 - 10	Irritant R36/38	Skin Irrit. 2;H315 Eye Irrit. 2;H319 STOT SE 3;H335	[1]

<sup>^</sup>CLP 31 Reference EC No. 1272/2008 1.1.3.1. Notes relating to the identification, classification and labelling of substances (Table 3.1).

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

\*The full texts of the phrases are shown in Section 16.

## 4. First aid measures

### 4.1. Description of first aid measures

#### General

In all cases of doubt, or when symptoms persist, seek medical attention.  
Never give anything by mouth to an unconscious person.

#### Inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.

#### Eyes

Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.

#### Skin

Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.

#### Ingestion

If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.



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**4.2. Most important symptoms and effects, both acute and delayed**

<b>Overview</b>	No specific symptom data available. See section 2 for further details.
<b>Eyes</b>	Causes serious eye damage.
<b>Skin</b>	Causes skin irritation.
<b>Ingestion</b>	Harmful if swallowed.

**5. Fire-fighting measures**

**5.1. Extinguishing media**

Recommended extinguishing media; alcohol resistant foam, CO<sub>2</sub>, powder, water spray.  
Do not use; water jet.

**5.2. Special hazards arising from the substance or mixture**

Hazardous decomposition: Oxides of Carbon

**5.3. Advice for fire-fighters**

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water courses.

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**6. Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

Put on appropriate personal protective equipment (see section 8).

**6.2. Environmental precautions**

Do not allow spills to enter drains or watercourses.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

**6.3. Methods and material for containment and cleaning up**

Take the personal protective measures listed in section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth, vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations. (See section 13).

Do not allow spills to enter drains or watercourses.

If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams or lakes the Environmental Protection Agency should also be informed.



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## 7. Handling and storage

### 7.1. Precautions for safe handling

See section 2 for further details. - [Prevention]:

### 7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Incompatible materials: Strong Oxidizers

See section 2 for further details. - [Storage]:

### 7.3. Specific end use(s)

No data available.

## 8. Exposure controls and personal protection

### 8.1. Control parameters

#### Exposure

CAS No.	Ingredient	Source	Value
0000111-46-6	Diethylene glycol	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0002605-78-9	1-Octanamine, N,N-dimethyl-, N-oxide	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0009036-19-5	Octylphenoxypolyethoxyethanol	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0068603-42-9	Coconut oil diethanolamine condensate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

#### Carcinogen Data

CAS No.	Ingredient	Source	Value
0000111-46-6	Diethylene glycol	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0002605-78-9	1-Octanamine, N,N-dimethyl-, N-oxide	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0009036-19-5	Octylphenoxypolyethoxyethanol	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0068603-42-9	Coconut oil diethanolamine condensate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No;



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**8.2. Exposure controls**

<b>Respiratory</b>	If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.
<b>Eyes</b>	Protective safety glasses recommended.
<b>Skin</b>	Wear overalls to keep skin contact to a minimum.
<b>Engineering Controls</b>	Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.
<b>Other Work Practices</b>	Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

**9. Physical and chemical properties**

<b>Appearance</b>	Dark green Liquid
<b>Odor</b>	Almond
<b>Odor threshold</b>	Not Measured
<b>pH</b>	7.5 ± 0.5
<b>Melting point / freezing point</b>	Not Established
<b>Initial boiling point and boiling range</b>	Not Established
<b>Flash Point</b>	Not Applicable
<b>Evaporation rate (Ether = 1)</b>	Equal to Water
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit:</b> Not Established <b>Upper Explosive Limit:</b> Not Established
<b>Vapor pressure (Pa)</b>	Not Established
<b>Vapor Density</b>	Not Established
<b>Specific Gravity</b>	1.02 (on dilution ≈ 1.0)
<b>Solubility in Water</b>	Complete
<b>Partition coefficient n-octanol/water (Log Kow)</b>	Not Measured
<b>Auto-ignition temperature</b>	Not Established
<b>Decomposition temperature</b>	Not Established
<b>Viscosity (cSt)</b>	Not Established
<b>VOC %</b>	Not Established
<b>Percent Volatiles (by weight)</b>	> 10 (on dilution < 1.0)

**9.2. Other information**

No other relevant information.



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**10. Stability and reactivity**

**10.1. Reactivity**

Hazardous Polymerization will not occur.

**10.2. Chemical stability**

Stable under normal circumstances.

**10.3. Possibility of hazardous reactions**

No data available.

**10.4. Conditions to avoid**

Keep out of heat > 140F and cold < 30F.

**10.5. Incompatible materials**

Strong Oxidizers

**10.6. Hazardous decomposition products**

Oxides of Carbon

**11. Toxicological information**

**Acute toxicity**

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapour LD50, mg/L/4hr	Inhalation Dust/Mist LD50, mg/L/4hr	Inhalation Gas LD50, ppm
Octylphenoxypolyethoxyethanol - (9036-19-5)	3,800.00, Rat - Category: 5	No data available	No data available	No data available	No data available
Coconut oil diethanolamine condensate - (68603-42-9)	No data available	No data available	No data available	No data available	No data available
Diethylene glycol - (111-46-6)	12,565.00, Rat - Category: NA	11,890.00, Rabbit - Category: NA	No data available	No data available	No data available
1-Octanamine, N,N-dimethyl-, N-oxide - (2605-78-9)	No data available	No data available	No data available	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	4	Harmful if swallowed.
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	2	Causes skin irritation.
Serious eye damage/irritation	1	Causes serious eye damage.
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable



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Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

## 12. Ecological information

### 12.1. Toxicity

Toxic to aquatic life with long lasting effects.

#### Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Octylphenoxypolyethoxyethanol - (9036-19-5)	7.20, Oncorhynchus mykiss	8.60, Daphnia magna	0.21 (96 hr), Pseudokirchneriella subcapitata
Coconut oil diethanolamine condensate - (68603-42-9)	Not Available	Not Available	Not Available
Diethylene glycol - (111-46-6)	32,000.00, Gambusia affinis	8,400.00, Daphnia magna	Not Available
1-Octanamine, N,N-dimethyl-, N-oxide - (2605-78-9)	Not Available	Not Available	Not Available

### 12.2. Persistence and degradability

Octylphenol ethoxylates are extensively biodegraded in laboratory screening tests, but do not meet the stringent criteria for classification as readily biodegradable. These substances are inherently biodegradable to carbon dioxide and water, and numerous studies have shown that under conditions in which sufficient oxygen, nutrients, and microorganism concentrations occur, such as in soils, surface waters, and well-functioning wastewater-treatment facilities, the substances are extensively biodegraded. Treatment efficiencies vary, although most facilities typically remove between 80 and 90% (through a combination of biodegradation and adsorption).

### 12.3. Bioaccumulative potential

Not Measured

### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

### 12.6. Other adverse effects

No data available.





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### 13. Disposal considerations

#### 13.1. Waste treatment methods

Do not allow into drains or water courses. Wastes and emptied containers should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act.

Using information provided in this data sheet advice should be obtained from the Waste Regulation Authority, whether the special waste regulations apply.

### 14. Transport information

Not Applicable

	<b>DOT (Domestic Surface Transportation)</b>	<b>IMO / IMDG (Ocean Transportation)</b>	<b>ICAO/IATA</b>
<b>14.1. UN number</b>	Not Applicable	Not Applicable	Not Applicable
<b>14.2. UN proper shipping name</b>	Not Regulated	Not Regulated	Not Regulated
<b>14.3. Transport hazard class(es)</b>	<b>DOT Hazard Class:</b> Not Applicable <b>DOT Label:</b> ---	<b>IMDG:</b> Not Applicable <b>Sub Class:</b> Not Applicable	<b>Air class:</b> Not Applicable
<b>14.4. Packing group</b>	{DOTPG}	Not Applicable	Not Applicable
<b>14.5. Environmental hazards</b>			

**IMDG** Marine Pollutant: Yes ( Octylphenoxypolyethoxyethanol )

#### 14.6. Special precautions for user

No further information

#### 14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not Applicable

### 15. Regulatory information

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

##### EU Legislation

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European



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Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

**National Legislation**

None noted.

## 16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H412 Harmful to aquatic life with long lasting effects.

R22 Harmful if swallowed.

R36/38 Irritating to eyes and skin.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Xi Irritant.

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