

# Material Safety Data Sheet



REVITALIZE PERFUSION CARPET AND UPHOLSTERY CLEANER

## 1. Product and company identification

**Trade name of product** : REVITALIZE PERFUSION CARPET AND UPHOLSTERY CLEANER

**Product use** : Carpet or Upholstery cleaner

**Product dilution information** : Up to 2 oz/gal or 15.6 mL/L in water

**Supplier's information** : Ecolab Inc. Institutional Division  
370 N. Wabasha Street  
St. Paul, MN 55102  
1-800-352-5326

**Code** : 903802-04

**Date of issue** : 06-July-2011

**EMERGENCY HEALTH INFORMATION: 1-800-328-0026**  
**Outside United States and Canada CALL 1-651-222-5352 (in USA)**

## 2. Hazards identification

### Product AS SOLD

**Physical state** : Powder

**Emergency overview** : WARNING !

CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION.

Avoid contact with eyes, skin and clothing. Avoid breathing dust. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

### Product AT USE DILUTION

Liquid.

CAUTION !

No specific hazard.

No specific hazard.

### Potential acute health effects

#### Product AS SOLD

**Eyes** : Severely irritating to eyes.

**Skin** : Irritating to skin.

**Inhalation** : Irritating to respiratory system.

**Ingestion** : No known significant effects or critical hazards.

#### Product AT USE DILUTION

No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

No known significant effects or critical hazards.

See toxicological information (section 11)

## 3. Composition/information on ingredients

### Product AS SOLD

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
SODIUM CARBONATE PEROXIDE	15630-89-4	20 - 50
SODIUM CARBONATE	497-19-8	5 - 20
CITRIC ACID	77-92-9	5 - 20
TETRASODIUM EDTA	64-02-8	5 - 20
alcohols, c12-14-secondary, ethoxylated	84133-50-6	1 - 5
poly(oxy-1,2-ethanediyl), .alpha.-(carboxymethyl)-.omega.-(tridecyloxy)-, branched	68412-55-5	1 - 5

### Product AT USE DILUTION

### 3. Composition/information on ingredients

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting, in accordance with local regulations.

### 4. First aid measures

	Product AS SOLD	Product AT USE DILUTION
<b>Eye contact</b>	: In case of contact, immediately flush eyes with cool running water. Remove contact lenses and continue flushing with plenty of water for at least 15 minutes. Get medical attention.	No known effect after eye contact. Rinse with water for a few minutes.
<b>Skin contact</b>	: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation persists. Wash clothing before reuse. Clean shoes thoroughly before reuse.	No known effect after skin contact. Rinse with water for a few minutes.
<b>Inhalation</b>	: If inhaled, remove to fresh air. Get medical attention if irritation persists.	No special measures required. Treat symptomatically.
<b>Ingestion</b>	: Get medical attention if symptoms occur.	Get medical attention if symptoms occur.

### 5. Fire-fighting measures

#### Product AS SOLD

#### Hazardous thermal decomposition products

: Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
nitrogen oxides  
metal oxide/oxides

#### Fire-fighting media and instructions

: Use dry chemical powder.

Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. Dike area of fire to prevent runoff.  
Fine dust clouds may form explosive mixtures with air.

#### Special protective equipment for fire-fighters

: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

### 6. Accidental release measures

	Product AS SOLD	Product AT USE DILUTION
<b>Personal precautions</b>	: Use personal protective equipment as required.	Use personal protective equipment as required.
<b>Environmental precautions</b>	: Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.	Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.
<b>Methods for cleaning up</b>	: Use a water rinse for final clean-up.	Use a water rinse for final clean-up.

### 7. Handling and storage

	Product AS SOLD	Product AT USE DILUTION
<b>Handling</b>	: Avoid contact with eyes, skin and clothing. Avoid breathing dust. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.	Wash thoroughly after handling.
<b>Storage</b>	: Keep out of reach of children. Store in a closed container.	Keep out of reach of children.

## 7. Handling and storage

Store between the following temperatures: -5 and 50°C

## 8. Exposure controls/personal protection

	Product AS SOLD	Product AT USE DILUTION
<b>Engineering measures</b>	: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
<b>Personal protection</b>		
<b>Eyes</b>	: Wear eye protection.	No protective equipment is needed under normal use conditions.
<b>Hands</b>	: For prolonged or repeated handling, use the following type of gloves: Impervious gloves.	No protective equipment is needed under normal use conditions.
<b>Skin</b>	: No protective equipment is needed under normal use conditions.	No protective equipment is needed under normal use conditions.
<b>Respiratory</b>	: Avoid breathing dust.	No special protection is required.
Consult local authorities for acceptable exposure limits.		

## 9. Physical and chemical properties

	Product AS SOLD	Product AT USE DILUTION
<b>Physical state</b>	: Powder	Liquid.
<b>Flash point</b>	: > 100°C	> 100°C
<b>Color</b>	: White	Colorless
<b>Odor</b>	: Odorless	Acrylic
<b>pH</b>	: 9.5 to 10.5 [Conc. (% w/w): 1%]	9.28
<b>Relative density</b>	: 0.75 to 0.95	

## 10. Stability and reactivity

<b>Product AS SOLD</b>		
<b>Stability</b>	: The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.	
<b>Reactivity</b>	: Reactive or incompatible with the following materials: organic materials and acids. Slightly reactive or incompatible with the following materials: metals and moisture.	
<b>Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.	
<b>Hazardous polymerization</b>	: Under normal conditions of storage and use, hazardous polymerization will not occur.	

## 11. Toxicological information

### Potential acute health effects

	Product AS SOLD	Product AT USE DILUTION
<b>Eyes</b>	: Severely irritating to eyes.	No known significant effects or critical hazards.
<b>Skin</b>	: Irritating to skin.	No known significant effects or critical hazards.
<b>Inhalation</b>	: Irritating to respiratory system.	No known significant effects or critical hazards.

## 11. Toxicological information

**Ingestion** : No known significant effects or critical hazards.

No known significant effects or critical hazards.

## 12. Ecological information

**Ecotoxicity** : Not reported

## 13. Disposal considerations

### Product AS SOLD

**Waste disposal** : Diluted product can be flushed to sanitary sewer.  
Discard empty container in trash.

### Product AT USE DILUTION

Diluted product can be flushed to sanitary sewer. Discard empty container in trash.

## 14. Transport information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

### Product AS SOLD

**DOT Classification** : Not regulated.

For transport in bulk or using IMDG regulations, see shipping documents for specific transportation information.

### Product AT USE DILUTION

Not intended for transport.

## 15. Regulatory information

### Product AS SOLD

**HCS Classification** : Irritating material

### Product AS SOLD

#### U.S. Federal regulations

**TSCA 8(b) inventory** : All components are listed or exempted.

**SARA 302/304/311/312 extremely hazardous substances**: No listed substance

**SARA 302/304 emergency planning and notification**: No listed substance

#### SARA 313

#### Product name

#### CAS number

#### Concentration

**Form R - Reporting requirements** : No listed substance

**California Prop. 65** : No listed substance

### Product AT USE DILUTION

Not regulated.

## 16. Other information

### Product AS SOLD

**Hazardous Material Information System (U.S.A.)**

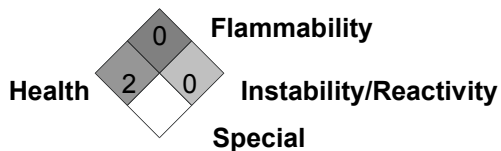
Health	2
Flammability	0
Physical hazards	0

### Product AT USE DILUTION

Health	0
Flammability	0
Physical hazards	0

## 16. Other information

National Fire Protection :  
Association (U.S.A.)



Date of issue : 06-July-2011  
Responsible name : Regulatory Affairs  
1-800-352-5326

▣ Indicates information that has changed from previously issued version.

### Notice to reader

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.