

# SAFETY DATA SHEET



## OPX SOLID LAUNDRY DETERGENT 2

### Section 1. Chemical product and company identification

**Product name** : OPX SOLID LAUNDRY DETERGENT 2  
**Recommended use and restrictions** : Laundry detergent  
Use only for the purpose on the product label.

**Product dilution information** : Up to 100-200 g per 50 gal of water.

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

**Code** : 913411-01

**Date of issue** : 16 Oct 2013

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

### Section 2. Hazards identification

**Product AS SOLD**  
**GHS Classification** : SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1

#### GHS label elements

**Signal word** : Danger

**Symbol** :



**Hazard statements** : Causes serious eye damage.

#### Precautionary statements

**Prevention** : Wash thoroughly after handling.

**Response** : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.

**Storage** : No other specific measures identified.

**Disposal** : See section 13 for waste disposal information.

**Other hazards** : None known.

#### **Product AT USE DILUTION**

Not classified.

No signal word.

No known significant effects or critical hazards.

Wash thoroughly after handling.

Get medical attention if symptoms appear.

No other specific measures identified.

See section 13 for waste disposal information.

None known.

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture

### Product AS SOLD

Hazardous ingredients	Concentration Range (%)	CAS number
ZEOLITE	20 - 50	1318-02-1
SODIUM CARBONATE	20 - 50	497-19-8
alcohols, c12-16, ethoxylated	20 - 50	68551-12-2
poly(oxy-1,2-ethanediyl), a-(2-propylheptyl)-w-hydroxy-	5 - 20	160875-66-1

### Product AT USE DILUTION

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

## Section 4. First aid measures

	Product AS SOLD	Product AT USE DILUTION
<b>Eye contact</b>	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.	No known effect after eye contact. Rinse with water for a few minutes.
<b>Skin contact</b>	: No known effect after skin contact. Rinse with water for a few minutes.	No known effect after skin contact. Rinse with water for a few minutes.
<b>Inhalation</b>	: No special measures required. Treat symptomatically.	No special measures required. Treat symptomatically.
<b>Ingestion</b>	: Get medical attention if symptoms occur.	Get medical attention if symptoms occur.
<b>Protection of first-aiders</b>	: No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.	
<b>Notes to physician</b>	: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.	
See toxicological information (section 11)		

## Section 5. Fire-fighting measures

### Product AS SOLD

<b>Suitable fire extinguishing media</b>	: Use water spray, fog or foam.
<b>Specific hazards arising from the chemical</b>	: No specific fire or explosion hazard.
<b>Hazardous thermal decomposition products</b>	: Decomposition products may include the following materials: carbon dioxide carbon monoxide metal oxide/oxides
<b>Specific fire-fighting methods</b>	: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
<b>Special protective equipment for fire-fighters</b>	: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

	Product AS SOLD	Product AT USE DILUTION
<b>Personal precautions</b>	: Initiate company's spill response procedures immediately. Keep people out of area. Put on appropriate personal protective equipment (see section 8). Do not touch or walk through spilled material.	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>	: Collect spillage. Use a water rinse for final clean-up.	Use a water rinse for final clean-up.

## Section 7. Handling and storage

	Product AS SOLD	Product AT USE DILUTION
<b>Handling</b>	: Do not get in eyes or on skin or clothing. Use only with adequate ventilation. Wash thoroughly after handling.	Wash thoroughly after handling.
<b>Storage</b>	: Keep out of reach of children. Keep container tightly closed.  Store between the following temperatures: 5 and 40°C	Keep out of reach of children.

## Section 8. Exposure controls/personal protection

### Control parameters

Ingredient name	Exposure limits
None.	

	Product AS SOLD	Product AT USE DILUTION
<b>Appropriate engineering controls</b>	: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.	Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
<b>Personal protection</b>		
<b>Eye protection</b>	: Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.	No protective equipment is needed under normal use conditions.
<b>Hand protection</b>	: No protective equipment is needed under normal use conditions.	No protective equipment is needed under normal use conditions.
<b>Skin protection</b>	: No protective equipment is needed under normal use conditions.	No protective equipment is needed under normal use conditions.
<b>Respiratory protection</b>	: A respirator is not needed under normal and intended conditions of product use.	A respirator is not needed under normal and intended conditions of product use.
<b>Hygiene measures</b>	: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.	

## Section 9. Physical and chemical properties

	Product AS SOLD
<b>Physical state</b>	: Cast Solid
<b>Color</b>	: White with colored particles
<b>Odor</b>	: Fragrance-like
<b>pH</b>	: 10 to 12 (1%)
<b>Flash point</b>	: > 100°C Product does not support combustion.
<b>Explosion limits</b>	: Not available.
<b>Flammability (solid, gas)</b>	: Not available.
<b>Melting point</b>	: Not available.
<b>Boiling point</b>	: Not available.
<b>Evaporation rate (butyl acetate = 1)</b>	: Not available.
<b>Vapor pressure</b>	: Not available.
<b>Vapor density</b>	: Not available.
<b>Relative density</b>	: 1.27 to 1.34 (Water = 1)
<b>Solubility</b>	: Soluble in the following materials: hot water. Partially soluble in the following materials: cold water.
<b>Partition coefficient: n-octanol/water</b>	: Not available.
<b>Auto-ignition temperature</b>	: Not available.
<b>Decomposition temperature</b>	: Not available.
<b>Odor threshold</b>	: Not available.
<b>Viscosity</b>	: Not available.

### Product AT USE DILUTION

Liquid.  
Colorless  
Fragrance-like  
9 to 10.5  
> 100°C

## Section 10. Stability and reactivity

	Product AS SOLD
<b>Stability</b>	: The product is stable.
<b>Possibility of hazardous reactions</b>	: Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to avoid</b>	: No specific data.
<b>Materials to avoid</b>	: Reactive or incompatible with the following materials: acids. Slightly reactive or incompatible with the following materials: metals.
<b>Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

**Route of exposure** : Skin contact, Eye contact, Ingestion

## Section 11. Toxicological information

	Product AS SOLD	Product AT USE DILUTION
<b>Symptoms</b>		
<b>Eye contact</b>	: Adverse symptoms may include the following: pain watering redness	No specific data.
<b>Skin contact</b>	: No specific data.	No specific data.
<b>Inhalation</b>	: No specific data.	No specific data.
<b>Ingestion</b>	: No specific data.	No specific data.
<b>Acute toxicity</b>		
<b>Eye contact</b>	: Causes serious eye damage.	No known significant effects or critical hazards.
<b>Skin contact</b>	: No known significant effects or critical hazards.	No known significant effects or critical hazards.
<b>Inhalation</b>	: No known significant effects or critical hazards.	No known significant effects or critical hazards.
<b>Ingestion</b>	: No known significant effects or critical hazards.	No known significant effects or critical hazards.

### Toxicity data

#### Product/ingredient name

zeolite	LC50 Inhalation Vapor	Rat	>5.3 mg/l
	LD50 Dermal	Rabbit	>2000 mg/kg
	LD50 Oral	Rat	>5000 mg/kg
sodium carbonate	LC50 Inhalation Dusts and mists	Rat	1.15 mg/l
	LD50 Dermal	Rabbit	>2000 mg/kg
	LD50 Oral	Rat	2800 mg/kg
alcohols, c12-16, ethoxylated	LD50 Dermal	Rabbit	>2000 mg/kg
	LD50 Oral	Rat	1100 mg/kg
poly(oxy-1,2-ethanediyl), a-(2-propylheptyl)-w-hydroxy-	LD50 Oral	Rat	>2000 mg/kg

### Chronic toxicity

<b>Carcinogenicity</b>	: No known significant effects or critical hazards.
<b>Mutagenicity</b>	: No known significant effects or critical hazards.
<b>Teratogenicity</b>	: No known significant effects or critical hazards.
<b>Developmental effects</b>	: No known significant effects or critical hazards.
<b>Fertility effects</b>	: No known significant effects or critical hazards.

## Section 12. Ecological information

### Product AS SOLD

**Ecotoxicity** : This material is toxic to aquatic life.

### Aquatic and terrestrial toxicity

Product/ingredient name	Result	Species	Exposure
zeolite	Acute LC50 1800 mg/l	Fish	96 hours
sodium carbonate	Acute EC50 200 mg/l	Daphnia	48 hours
alcohols, c12-16, ethoxylated	Acute LC50 1.5 mg/l	Fish	96 hours
poly(oxy-1,2-ethanediyl), a-(2-propylheptyl)-w-hydroxy-	Acute EC50 10 mg/l	Daphnia	48 hours

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

**Disposal methods** : **Product AS SOLD**  
 : Avoid disposal. Attempt to use product completely in accordance with intended use. Disposal should be in accordance with applicable regional, national and local laws and regulations.

### Product AT USE DILUTION

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

## Section 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.

### DOT

DOT Classification

Excepted from DOT Regulations

### IMO/IMDG

IMO/IMDG Classification

UN3077

IMO/IMDG Proper shipping name

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Alcohol ethoxylate). Marine pollutant

Class

9

Packing group

III

For transport in bulk, see shipping documents for specific transportation information.

### Product AT USE DILUTION

Not intended for transport.

## Section 15. Regulatory information

**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

## Section 16. Other information

**Product AS SOLD**

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

Health	3
Flammability	0
Physical hazards	0

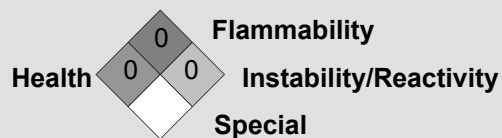
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**Product AT USE DILUTION**

Health	0
Flammability	0
Physical hazards	0

## Section 16. Other information

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



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Prepared by : Regulatory Affairs  
1-800-352-5326

### 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.