

# Material Safety Data Sheet

GEMSTAR STRATUS



## 1. Product and company identification

Trade name of product : GEMSTAR STRATUS

Product use : Floor care product

Product dilution information : Not applicable

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

Code : 912124-01

Date of issue : 16-September-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 : Liquid.

Emergency overview : CAUTION!

MAY CAUSE EYE IRRITATION.

Avoid contact with eyes. Wash thoroughly after handling.

### Potential acute health effects

#### Product AS SOLD

Eyes : Moderately irritating to eyes.

Skin : Slightly irritating to the skin.

Inhalation : Slightly irritating to the respiratory system.

Ingestion : No known significant effects or critical hazards.

See toxicological information (Section 11)

### Product AT USE DILUTION

Product is sold ready to use.

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Product is sold ready to use.

## 3. Composition/information on ingredients

### Product AS SOLD

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
ETHOXYDIGLYCOL	111-90-0	5
ethanol, 2-butoxy-, phosphate (3:1)	78-51-3	1 - 5

### Product AT USE DILUTION

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
Product is sold ready to use.		

## 4. First aid measures

	Product AS SOLD
<b>Eye contact</b>	: In case of contact, immediately flush eyes with plenty of water. Remove contact lenses and flush again. Get medical attention if irritation persists.
<b>Skin contact</b>	: Rinse with water for a few minutes.
<b>Inhalation</b>	: No special measures required. Treat symptomatically.
<b>Ingestion</b>	: Get medical attention if symptoms occur.

**Product AT USE DILUTION**  
Product is sold ready to use.

## 5. Fire-fighting measures

### Product AS SOLD

<b>Hazardous thermal decomposition products</b>	: Decomposition products may include the following materials: carbon dioxide carbon monoxide phosphorus oxides
<b>Fire-fighting media and instructions</b>	: Use an extinguishing agent suitable for the surrounding fire.  Dike area of fire to prevent runoff. In a fire or if heated, a pressure increase will occur and the container may burst.
<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.

## 6. Accidental release measures

	Product AS SOLD
<b>Personal precautions</b>	: 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.
<b>Methods for cleaning up</b>	: Use a water rinse for final clean-up.

**Product AT USE DILUTION**  
Product is sold ready to use.

## 7. Handling and storage

	Product AS SOLD
<b>Handling</b>	: Avoid contact with eyes. Wash thoroughly after handling.
<b>Storage</b>	: Keep out of reach of children. Store in a closed container.  Store between the following temperatures: 10 and 45°C

**Product AT USE DILUTION**  
Product is sold ready to use.

## 8. Exposure controls/personal protection

	Product AS SOLD
<b>Engineering measures</b>	: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
<b>Personal protection</b>	
<b>Eyes</b>	: Eye protection should be used when splashing may occur.
<b>Hands</b>	: No protective equipment is needed under normal use conditions.
<b>Skin</b>	: No protective equipment is needed under normal use conditions.

**Product AT USE DILUTION**  
Product is sold ready to use.

Product is sold ready to use.

## 8. Exposure controls/personal protection

**Respiratory** : No special protection is required.

Ingredient	Exposure limits
ETHOXYDIGLYCOL	AIHA WEEL (United States, 5/2010). TWA: 25 ppm 8 hour(s).

## 9. Physical and chemical properties

	Product AS SOLD	Product AT USE DILUTION
<b>Physical state</b>	: Liquid.	Product is sold ready to use.
<b>Flash point</b>	: > 100°C Product does not support combustion.	
<b>Color</b>	: opaque	
<b>Odor</b>	: Acrylic	
<b>pH</b>	: 8 to 8.5 [Conc. (% w/w): 100%]	
<b>Relative density</b>	: 1.03 to 1.034	

## 10. Stability and reactivity

### Product AS SOLD

- Stability** : The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.
- Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.
- Hazardous polymerization** : 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>	: Moderately irritating to eyes.	Product is sold ready to use.
<b>Skin</b>	: Slightly irritating to the skin.	
<b>Inhalation</b>	: Slightly irritating to the respiratory system.	
<b>Ingestion</b>	: No known significant effects or critical hazards.	

## 12. Ecological information

**Ecotoxicity** : Not reported

## 13. Disposal considerations

	Product AS SOLD	Product AT USE DILUTION
<b>Waste disposal</b>	: Diluted product can be flushed to sanitary sewer. Discard empty container in trash.	Product is sold ready to use.

## 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.

## 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

Form R - Reporting requirements

Product name

: ethanol, 2-(2-ethoxyethoxy)-

CAS number

111-90-0

Concentration

5.3078

### California Prop. 65

: No listed substance

### Product AT USE DILUTION

Product is sold ready to use.

## 16. Other information

### Product AS SOLD

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

Health	1
Flammability	0
Physical hazards	0

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



Date of issue : 16-September-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.