

**Section: 1. IDENTIFICATION**

Product name : GEMSTAR STRATUS

Other means of identification : Not applicable.

Recommended use : Floor care product

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : Product is sold ready to use.

Company : Ecolab Co.  
5105 Tomken Road  
Mississauga, Ontario Canada L4W 2X5  
1-800-352-5326

Emergency health information : 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date : 04/23/2024

**Section: 2. HAZARDS IDENTIFICATION**
**GHS Classification**

Not a hazardous substance or mixture.

**GHS Label element**

Precautionary Statements : **Prevention:**  
Wash hands thoroughly after handling.  
**Response:**  
Get medical advice/ attention if you feel unwell.  
**Storage:**  
Store in accordance with local regulations.

**Other hazards** : None known.

**Section: 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Pure substance/mixture : Mixture

Actual concentration or concentration range is withheld as a trade secret

Chemical Name	CAS-No.	Concentration: (%)
2-(2-ethoxyethoxy)ethanol	111-90-0	5 - 10

**Section: 4. FIRST AID MEASURES**

In case of eye contact : Rinse with plenty of water.

In case of skin contact : Rinse with plenty of water.

If swallowed : Rinse mouth. Get medical attention if symptoms occur.

If inhaled : Get medical attention if symptoms occur.

Protection of first-aiders : No special precautions are necessary for first aid responders.

## SAFETY DATA SHEET

### GEMSTAR STRATUS

Notes to physician	: No specific measures identified.
Most important symptoms and effects, both acute and delayed	: See Section 11 for more detailed information on health effects and symptoms.

#### Section: 5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	: None known.
Specific hazards during firefighting	: Not flammable or combustible.
Hazardous combustion products	: Decomposition products may include the following materials: Carbon oxides nitrogen oxides (NOx) Oxides of phosphorus
Special protective equipment and precautions for firefighters	: Use personal protective equipment.
Specific extinguishing methods	: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
Risk of explosion.	: Not available.

#### Section: 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Refer to protective measures listed in sections 7 and 8.
Environmental precautions	: No special environmental precautions required.
Methods and materials for containment and cleaning up	: Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

#### Section: 7. HANDLING AND STORAGE

Advice on safe handling	: Wash hands after handling. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE). For personal protection see section 8.
Conditions for safe storage	: Keep out of reach of children. Store in suitable labeled containers.
Storage temperature	: 10 °C to 45 °C

# SAFETY DATA SHEET

## GEMSTAR STRATUS

### Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Form of exposure	Permissible concentration	Basis
2-(2-ethoxyethoxy)ethanol	111-90-0	TWA	30 ppm 165 mg/m <sup>3</sup>	CA ON OEL
2-(2-ethoxyethoxy)ethanol	111-90-0	TWA	25 ppm	AIHA WEEL

Engineering measures : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

#### Personal protective equipment

Eye protection : No special protective equipment required.

Hand protection : No special protective equipment required.

Skin protection : No special protective equipment required.

Respiratory protection : No personal respiratory protective equipment normally required.

Hygiene measures : Wash hands before breaks and immediately after handling the product.

### Section: 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State : liquid

Colour : opaque, white

Odour : acrylic-like

pH : 8.0 - 8.5, (100 %)

Flash point : Not applicable., Does not sustain combustion.

Melting point/freezing point : no data available

Boiling point, initial boiling point and boiling range : no data available

Flammability : Not applicable.

Upper explosion limit : no data available

Lower explosion limit : no data available

Vapour pressure : no data available

Relative vapour density : no data available

Relative density : 1.03 - 1.034

Density : no data available

Water solubility : no data available

Solubility in other solvents : no data available

Partition coefficient: n-octanol/water (logarithmic value) : no data available

## SAFETY DATA SHEET

### GEMSTAR STRATUS

Auto-ignition temperature	: no data available
Decomposition temperature	: no data available
Viscosity, kinematic	: no data available
Explosive properties	: no data available
Oxidizing properties	: no data available
Molecular weight	: no data available
VOC	: no data available
Particle characteristics	: no data available

### Section: 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: None known.
Incompatible materials	: None known.
Hazardous decomposition products	: In case of fire hazardous decomposition products may be produced such as: Carbon oxides nitrogen oxides (NO <sub>x</sub> ) Oxides of phosphorus

### Section: 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	: Inhalation, Eye contact, Skin contact
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#### Potential Health Effects

Eyes	: Health injuries are not known or expected under normal use.
Skin	: Health injuries are not known or expected under normal use.
Ingestion	: Health injuries are not known or expected under normal use.
Inhalation	: Health injuries are not known or expected under normal use.
Chronic Exposure	: Health injuries are not known or expected under normal use.

#### Experience with human exposure

Eye contact	: No symptoms known or expected.
Skin contact	: No symptoms known or expected.
Ingestion	: No symptoms known or expected.
Inhalation	: No symptoms known or expected.

## SAFETY DATA SHEET

### GEMSTAR STRATUS

#### Toxicity

##### Product

Acute oral toxicity	: Acute toxicity estimate : > 2,000 mg/kg
Acute inhalation toxicity	: no data available
Acute dermal toxicity	: no data available
Skin corrosion/irritation	: no data available
Serious eye damage/eye irritation	: no data available
Respiratory or skin sensitization	: no data available
Carcinogenicity	: no data available
Reproductive effects	: no data available
Germ cell mutagenicity	: no data available
Teratogenicity	: no data available
STOT - single exposure	: no data available
STOT - repeated exposure	: no data available
Aspiration toxicity	: no data available

##### Components

Acute dermal toxicity	: 2-(2-ethoxyethoxy)ethanol LD50 rabbit: 8,476 mg/kg
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### Section: 12. ECOLOGICAL INFORMATION

#### Toxicity

Environmental Effects	: Harmful to aquatic life.
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##### Product

Toxicity to fish	: no data available
Toxicity to daphnia and other aquatic invertebrates	: no data available
Toxicity to algae	: no data available

##### Components

Toxicity to fish	: 2-(2-ethoxyethoxy)ethanol 96 h LC50 Ictalurus punctatus (channel catfish): 6,010 mg/l
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##### Components

Toxicity to daphnia and other aquatic invertebrates	: 2-(2-ethoxyethoxy)ethanol 48 h LC50 Daphnia magna (Water flea): 1,982 mg/l
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##### Components

Toxicity to algae	: 2-(2-ethoxyethoxy)ethanol 96 h EC50 Desmodesmus subspicatus (green algae): > 100 mg/l Test substance: Information given is based on data obtained from similar substances. 96 h NOEC Desmodesmus subspicatus (green algae): > 100 mg/l Test substance: Information given is based on data obtained from
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## SAFETY DATA SHEET

### GEMSTAR STRATUS

similar substances.

#### Persistence and degradability

no data available

#### Bioaccumulative potential

no data available

#### Mobility in soil

no data available

#### Other adverse effects

no data available

### Section: 13. DISPOSAL CONSIDERATIONS

- Disposal methods : Do not contaminate ponds, waterways or ditches with chemical or used container. Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of contents/container in accordance with local regulations. Dispose of wastes in an approved waste disposal facility.
- Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers. Dispose of in accordance with local, state, and federal regulations.

### Section: 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

#### Land transport (TDG)

Not dangerous goods

#### Sea transport (IMDG/IMO)

Not dangerous goods

### Section: 15. REGULATORY INFORMATION

This product has been classified according to the hazard criteria of the HPR and the SDS contains all of the information required by the HPR.

**NPRI Components** : 2-(2-ethoxyethoxy)ethanol

**The components of this product are reported in the following inventories:**

**Switzerland. New notified substances and declared preparations :**  
not determined

**United States TSCA Inventory :**  
On TSCA Inventory

**Canadian Domestic Substances List (DSL) :**

## SAFETY DATA SHEET

### GEMSTAR STRATUS

This product contains one or several components that are not on the Canadian DSL nor NDSL.

**Australia. Australian Industrial Chemicals Introduction Scheme (AICIS) :**  
not determined

**New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand :**  
On the inventory, or in compliance with the inventory

**Japan. ENCS - Existing and New Chemical Substances Inventory :**  
On the inventory, or in compliance with the inventory

**Korea. Korean Existing Chemicals Inventory (KECI) :**  
On the inventory, or in compliance with the inventory

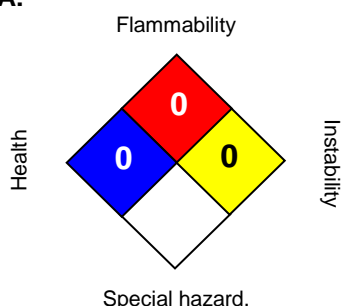
**Philippines Inventory of Chemicals and Chemical Substances (PICCS) :**  
not determined

**China Inventory of Existing Chemical Substances :**  
On the inventory, or in compliance with the inventory

**Taiwan Chemical Substance Inventory :**  
not determined

### Section: 16. OTHER INFORMATION

#### NFPA:



#### HMIS III:

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

Issuing date : 04/23/2024  
version : 1.5  
Prepared by : Regulatory Affairs 1-800-352-5326

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.