Material Safety Data Sheet



GEMSTAR POLARIS

Section 1. Chemical product and company identification

Trade name **GEMSTAR POLARIS** Product use : Floor care product

: Ecolab Inc. Institutional Division Supplier

370 N. Wabasha Street St. Paul, MN 55102 1-800-352-5326

Code : 908083-04

Date of issue : 15-November-2007

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

Section 2. Composition, information on ingredients

CAS number % by weight ethanol, 2-(2-ethoxyethoxy)-111-90-0 ethanol, 2-butoxy-, phosphate (3:1) 78-51-3 1 - 5

Section 3. Hazards identification

Physical state : Liquid. [Liquid.] **Emergency** : CAUTION! overview

MAY CAUSE EYE IRRITATION.

Repeated or prolonged contact with irritants may cause dermatitis.

Avoid contact with eyes. Wash thoroughly after handling.

Potential acute health effects

Eves : Slightly irritating to the eyes. Skin : Slightly irritating to the skin.

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

See toxicological information (section 11)

Section 4. First aid measures

Eye contact 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 if irritation

occurs.

Skin contact : Flush contaminated skin with plenty of water. Wash clothing before reuse.

: If inhaled, remove to fresh air. Inhalation

Ingestion : Do not induce vomiting. Never give anything by mouth to an unconscious person. If irritation

persists, get medical attention.

Section 5. Fire fighting measures

Flash point : >93.333 °C (Closed cup)

Fire-fighting media and

instructions

: Use an extinguishing agent suitable for the surrounding fire.

Dike liquid for later disposal.

No specific hazard.

for fire-fighters

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

mode.

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Section 6. Accidental release measures

Personal precautions

: Ventilate area of leak or spill. Do not touch damaged containers or spilled material unless wearing appropriate protective equipment (Section 8). Stop leak if without risk. Do not allow to enter drains or watercourses.

Environmental precautions

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods for cleaning up

: If emergency personnel are unavailable, contain spilled material. For small spills, add absorbent (soil may be used in the absence of other suitable materials), scoop up material and place in a sealable, liquid-proof container for disposal. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

Section 7. Handling and storage

Handling: Wash thoroughly after handling.

Storage : Keep out of the reach of children. Keep container tightly closed. Keep container in a cool, well-

ventilated area.

Store between the following temperatures: 15 and 45°C

Section 8. Exposure controls, personal protection

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

contaminants.

Personal protection:

Eyes : No protective equipment is needed under normal use conditions.
Hands : No protective equipment is needed under normal use conditions.
Skin : No protective equipment is needed under normal use conditions.

Respiratory: A respirator is not needed under normal and intended conditions of product use.

Consult local authorities for acceptable exposure limits.

Section 9. Physical and chemical properties

Physical state : Liquid. [Liquid.]

Color : opaque Odor : Acrylic.

pH : 8.55 [Conc. (% w/w): 100%]

Specific gravity : 1.038

Solubility: Easily soluble in cold water, hot water.

Section 10. Stability and reactivity

Stability : The product is stable.

Reactivity : Reactive with metals.

Section 11. Toxicological information

Potential acute health effects

Eyes : Slightly irritating to the eyes.
Skin : Slightly irritating to the skin.

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

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Section 12. Ecological information

Section 13. Disposal considerations

Waste disposal

: The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Consult your local or regional authorities.

Section 14. Transport information

| Regulatory information | UN number | Proper shipping name | Class | Packing group | Additional information |
|------------------------------|----------------|----------------------|-------|---------------|------------------------|
| DOT Classification | Not regulated. | - | - | - | Not available. |

APPLIES ONLY DURING ROAD TRANSPORT

Any variation of the shipping description based on the packaging is not addressed.

Section 15. Regulatory information

HCS Classification: Not regulated.

U.S. Federal regulations : SARA 302/304/311/312 extremely hazardous substances: No products were

found.

SARA 302/304 emergency planning and notification: No products were found.

TSCA 8(b) inventory : All materials are listed or exempt.

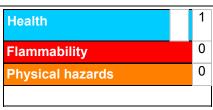
SARA 313 Product name Concentration

Form R - Reporting requirements: ethanol, 2-(2-ethoxyethoxy)- 5.85

California Prop. 65 : No products were found.

Section 16. Other information

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



Date of issue : 15-November-2007.

Responsible name : Regulatory Affairs

Date of previous issue : No previous validation.

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.