

# Material Safety Data Sheet



## PINNACLE STONE IMPREGNATOR

### Section 1. Chemical product and company identification

Trade name : PINNACLE STONE IMPREGNATOR  
Product use : Floor care product  
Supplier : Ecolab Inc. Institutional Division  
370 N. Wabasha Street  
St. Paul, MN 55102  
1-800-352-5326  
Code : 910986-01  
Date of issue : 25-March-2009

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

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
2-butoxyethanol	111-76-2	5
dipropylene glycol methyl ether	34590-94-8	5 - 20

### Section 3. Hazards identification

Physical state : Liquid. [Liquid.]  
Emergency : CAUTION !  
overview MAY CAUSE EYE IRRITATION.  
COMBUSTIBLE LIQUID AND VAPOR.  
Avoid contact with eyes. Keep away from heat, sparks and flame. Use only with adequate ventilation. Keep container closed. Wash thoroughly after handling.

#### Potential acute health effects

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)

### Section 4. First aid measures

Eye contact : In case of contact, immediately flush eyes with plenty of water. Remove contact lenses and flush again. Get medical attention if irritation persists.  
Skin contact : 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.  
Inhalation : If inhaled, remove to fresh air.  
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 : 61 °C (Closed cup)  
Hazardous thermal decomposition products : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
Fire-fighting media and instructions : Use dry chemical, CO<sub>2</sub>, water spray (fog) or foam.

Use water spray to keep fire-exposed containers cool. Dike area of fire to prevent runoff.

Combustible liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.

**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.

## Section 6. Accidental release measures

- Personal precautions** : Use suitable protective equipment (section 8). 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) and use a non-sparking or explosion-proof means to transfer material to a sealable, appropriate container for disposal. For large spills, dike spilled material or otherwise contain it to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

## Section 7. Handling and storage

- Handling** : Avoid contact with eyes. Keep away from heat, sparks and flame. To avoid fire, eliminate ignition sources. Wash thoroughly after handling.
- Storage** : Keep out of reach of children. Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).  
Store between the following temperatures: 0 and 50°C

## Section 8. Exposure controls/personal protection

**Engineering measures** : 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. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits.

### Personal protection :

- Eyes** : Eye protection recommended.
- Hands** : Use chemical-resistant, impervious gloves.
- Skin** : No protective equipment is needed under normal use conditions.
- Respiratory** : A respirator is not needed under normal and intended conditions of product use.

### Name

### Exposure limits

2-butoxyethanol

**ACGIH TLV (United States, 1/2008).**

TWA: 20 ppm 8 hour(s).

**OSHA PEL (United States, 11/2006). Absorbed through skin.**

TWA: 240 mg/m<sup>3</sup> 8 hour(s).

TWA: 50 ppm 8 hour(s).

dipropylene glycol methyl ether

**ACGIH TLV (United States, 1/2008). Absorbed through skin.**

STEL: 909 mg/m<sup>3</sup> 15 minute(s).

STEL: 150 ppm 15 minute(s).

TWA: 606 mg/m<sup>3</sup> 8 hour(s).

TWA: 100 ppm 8 hour(s).

**OSHA PEL (United States, 11/2006). Absorbed through skin.**

TWA: 600 mg/m<sup>3</sup> 8 hour(s).

TWA: 100 ppm 8 hour(s).

## Section 9. Physical and chemical properties

Physical state	: Liquid. [Liquid.]
Color	: Colorless.
Odor	: Alcohol-like.
pH	: 10.5 [Conc. (% w/w): 100%]
Boiling/condensation point	: >100°C (>212°F)
Relative density	: 0.995
Solubility	: Easily soluble in the following materials: cold water and hot water.

## Section 10. Stability and reactivity

Stability	: The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.
Reactivity	: Highly reactive or incompatible with the following materials: metals.
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.

## Section 11. Toxicological information

### Potential acute health effects

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.

### Potential chronic health effects

Target organs	: Contains material which may cause damage to the following organs: blood, kidneys, liver, lymphatic system, upper respiratory tract, central nervous system (CNS).
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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.
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Consult your local or regional authorities.

## 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.**

**UN Classification** Not regulated.

See shipping documents for specific transportation information.

## Section 15. Regulatory information

**HCS Classification** : Combustible liquid  
Irritating material  
Target organ effects

**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 components are listed or exempted.

<b>SARA 313</b>	<b>Product name</b>	<b>CAS number</b>	<b>Concentration</b>
Form R - Reporting requirements :	2-butoxyethanol	111-76-2	5

**California Prop. 65** : No products were found.

## Section 16. Other information

Hazardous Material Information System (U.S.A.) :	Health	*	1
	Flammability		1
	Physical hazards		0

**Date of issue** : 25-March-2009.  
**Responsible name** : Regulatory Affairs  
**Date of previous issue** : 10-April-2006.

### 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.