

Material Safety Data Sheet



PINNACLE TILE POLISH 2

1. Product and company identification

Trade name of product : PINNACLE TILE POLISH 2
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 : 910977-01

Date of issue : 19-October-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 : Powder
Emergency overview : DANGER !

CAUSES DIGESTIVE TRACT, EYE AND SKIN BURNS.
CAUSES RESPIRATORY TRACT IRRITATION.
MAY BE HARMFUL IF ABSORBED THROUGH SKIN OR IF INHALED.
HARMFUL IF SWALLOWED.

Do not ingest. Do not get in eyes, on skin or on clothing. Avoid breathing dust. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

Potential acute health effects

Product AS SOLD

Eyes : Corrosive to eyes.
Skin : Corrosive to the skin. May be harmful if absorbed through skin. Chronic low level exposure may result in mottling of teeth, joint stiffness, and weakening of bones (osteosclerosis).
Inhalation : Irritating to respiratory system. May be harmful if inhaled.
Ingestion : Causes burns to mouth, throat and stomach. Harmful if swallowed. Chronic low level exposure may result in mottling of teeth, joint stiffness, and weakening of bones (osteosclerosis).

See toxicological information (Section 11)

Product AT USE DILUTION

Product is sold ready to use.

Product AT USE DILUTION

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>
ALUMINA	1344-28-1	80
MAGNESIUM FLUOROSILICATE	16949-65-8	5 - 20
TIN OXIDE	18282-10-5	5 - 20
CITRIC ACID	77-92-9	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
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 immediately.
Skin contact	: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Apply calcium gluconate gel, if available, or milk of magnesia to affected area. Get medical attention immediately. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Inhalation	: If inhaled, remove to fresh air. Get medical attention if irritation persists.
Ingestion	: If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person. If available, take several calcium antacid tablets (eg Tums) or several tablespoons of milk of magnesia. Get medical attention immediately.

Product AT USE DILUTION

Product is sold ready to use.

5. Fire-fighting measures

Product AS SOLD

Hazardous thermal decomposition products	: Decomposition products may include the following materials: carbon dioxide carbon monoxide halogenated compounds metal oxide/oxides
Fire-fighting media and instructions	: Use dry chemical powder. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. Dike area of fire to prevent runoff. Fine dust clouds may form explosive mixtures with air.
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.

6. Accidental release measures

<p>Personal precautions : 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.</p> <p>Environmental precautions : Avoid contact of spilled material and runoff with soil and surface waterways.</p> <p>Methods for cleaning up : If emergency personnel are not present, contain and collect small spillages with non-combustible absorbent material, e.g. sand, earth or other suitable material and place in a suitable container for disposal. Use a water rinse for final clean-up.</p>	<p>Product AS SOLD</p>	<p>Product AT USE DILUTION Product is sold ready to use.</p>
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7. Handling and storage

<p>Handling : Do not ingest. Do not get in eyes, on skin, or on clothing. Avoid breathing dust. Keep container closed. Use only with adequate ventilation. Do not mix with bleach or other chlorinated products - will cause chlorine gas. Wash thoroughly after handling.</p> <p>Storage : Keep out of reach of children. Store in a closed container. Store between the following temperatures: -10 and 50°C</p>	<p>Product AS SOLD</p>	<p>Product AT USE DILUTION Product is sold ready to use.</p>
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8. Exposure controls/personal protection

<p>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. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.</p> <p>Personal protection</p> <p>Eyes : Use chemical splash goggles. For continued or severe exposure wear a face shield over the goggles.</p> <p>Hands : Use chemical-resistant, impervious gloves.</p> <p>Skin : Use synthetic apron, other protective equipment as necessary to prevent skin contact.</p> <p>Respiratory : Avoid breathing dust.</p>	<p>Product AS SOLD</p>	<p>Product AT USE DILUTION Product is sold ready to use.</p>
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Ingredient	Exposure limits
ALUMINA	<p>NIOSH REL (United States, 6/2009). TWA: 5 mg/m³, (as Al) 10 hour(s). Form: PYRO POWDERS AND WELDING FUMES</p> <p>OSHA PEL (United States, 6/2010). TWA: 5 mg/m³ 8 hour(s). Form: Respirable fraction TWA: 15 mg/m³ 8 hour(s). Form: Total dust</p>
TIN OXIDE	<p>ACGIH TLV (United States, 2/2010). TWA: 2 mg/m³, (as Sn) 8 hour(s).</p> <p>NIOSH REL (United States, 6/2009). TWA: 2 mg/m³, (as Sn) 10 hour(s).</p>

8. Exposure controls/personal protection

9. Physical and chemical properties

	Product AS SOLD
Physical state	: Powder
Flash point	: > 100°C
Color	: White [Light]
Odor	: Odorless
pH	: 2 to 4 [Conc. (% w/w): 1%]
Boiling/condensation point	: >100°C (>212°F)
Solubility	: Partially soluble in the following materials: cold water and hot water.

Product AT USE DILUTION
Product is sold ready to use.

10. Stability and reactivity

Product AS SOLD

Stability	: The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.
Reactivity	: Do not mix with bleach or other chlorinated products - will cause chlorine gas.
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
Eyes	: Corrosive to eyes.
Skin	: Corrosive to the skin. May be harmful if absorbed through skin. Chronic low level exposure may result in mottling of teeth, joint stiffness, and weakening of bones (osteosclerosis).
Inhalation	: Irritating to respiratory system. May be harmful if inhaled.
Ingestion	: Causes burns to mouth, throat and stomach. Harmful if swallowed. Chronic low level exposure may result in mottling of teeth, joint stiffness, and weakening of bones (osteosclerosis).

Product AT USE DILUTION
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Product AS SOLD

Other adverse effects

Target organs	: Contains material which causes damage to the following organs: bones, teeth. Contains material which may cause damage to the following organs: lungs, upper respiratory tract. Chronic low level exposure may result in mottling of teeth, joint stiffness, and weakening of bones (osteosclerosis).
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12. Ecological information

Ecotoxicity : Not reported

13. Disposal considerations

Product AS SOLD

Waste disposal : 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

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 : Corrosive material
Target organ effects

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 : aluminium oxide

CAS number

1344-28-1

Concentration

80

California Prop. 65 : No listed substance

16. Other information

Product AS SOLD

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

Health	3
Flammability	0
Physical hazards	0

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

16. Other information



Date of issue : 19-October-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.**



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