1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name: Tile Glow ® #1 White

Contains:
- Aluminum oxide, CAS 1344-28-1
- Citric Acid, CAS 5949-29-1

Synonyms:

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use:
- Adsorbents, Ceramic, Filler, Polishing agent, Refractory

Uses advised against:
- No information available

1.3. Details of the supplier of the safety data sheet

International Stoneworks, Inc.
8650 Fairbanks N. Houston Rd.
Houston, TX 77064
713-956-8291

For further information, please contact:

sales@intlstoneworks.com

1.4. Emergency telephone number

CHEMTREC
+1-703-527-3887 (INTERNATIONAL)
+1-800-424-9300 (NORTH AMERICA)

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

REGULATION (EC) No 1272/2008

The product is not classified as dangerous according to Regulation (EC) No. 1272/2008

Classification according to Directive 67/548/EEC or 1999/45/EC: Not classified
GHS Classification
The product is not classified as hazardous according to GHS

2.2. Label Elements

Symbol(s)

Signal Word(s)
Danger
Warning

Hazard Statements
None

Precautionary Statements
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray
P280 - Wear eye protection/ face protection
P285 - In case of inadequate ventilation wear respiratory protection
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P302 + P352 - Harmful if swallowed. IF ON SKIN: Wash with plenty of soap and water
H315- Causes skin irritation.

2.3. Other information
No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No.</th>
<th>Weight -%</th>
<th>REACH Reg. No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum oxide</td>
<td>1344-28-1</td>
<td>90%-95%</td>
<td>01-2119529248-35-0024</td>
</tr>
<tr>
<td>Citric Acid</td>
<td>5949-29-1</td>
<td>2%-5%</td>
<td>01-2119529248-35-0086</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

4.1. Description of first aid measures

Eye Contact IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Skin Contact Wash skin with soap and water.

Ingestion Rinse mouth

Inhalation Remove to fresh air
General Advice
If symptoms persist, call a physician
Show this safety data sheet to the doctor in attendance

4.2. Most important symptoms and effects, both acute and delayed: No information available

4.3. Indication of any immediate medical attention and special treatment
Notes to Physician
Treat symptomatically

5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media
The product itself does not burn
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Extinguishing media which must not be used for safety reasons
No information available

5.2. Special hazards arising from the substance or mixture
Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases
None in particular.

5.3. Advice for firefighters
Special protective equipment for fire-fighters
As in any fire, wear self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Wear personal protective equipment
Avoid dust formation

6.2. Environmental precautions
No special environmental precautions required

6.3. Methods and material for containment and cleaning up
Recover product. Place into appropriate container for disposal.
Methods for Cleaning Up
Shovel or sweep up

7. HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Handling
Provide appropriate exhaust ventilation at places where dust is formed

General Hygiene Considerations
Handle in accordance with good industrial hygiene and safety practice

Exposure scenario
No information available

7.2. Conditions for safe storage, including any incompatibilities
Keep in a dry place

7.3. Specific end use(s)
No Information available
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>EU</th>
<th>United Kingdom</th>
<th>France</th>
<th>Spain</th>
<th>Germany OEL (TWA)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum oxide</td>
<td></td>
<td></td>
<td>VME: 10 mg/m³</td>
<td>VLA-10 mg/m³</td>
<td>1.25 mg/m³</td>
</tr>
<tr>
<td>1344-28-1 (&gt;99)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>(a) GOEL • Germany • TRGS 900 - Occupational Exposure Limits - TWAs, (a) exempt facilities listed in 2.4(8) and (9)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>Italy</th>
<th>Portugal</th>
<th>Netherlands</th>
<th>Finland</th>
<th>Denmark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum oxide</td>
<td></td>
<td>10 mg/m³</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1344-28-1 (&gt;99)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>OSHA PEL</th>
<th>ACGIH TWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum oxide 1344-28-1 (&gt;99)</td>
<td>15 mg/m³ (total dust); 5 mg/m³ (TWA (respirable fraction))</td>
<td>1 mg/m³ * (TWA (respirable fraction))</td>
</tr>
</tbody>
</table>

Derived No Effect Level (DNEL) 3 mg/m³, respirable, 8 hour TWA

8.2. Exposure controls

Engineering Controls Ensure adequate ventilation especially in confined areas

Personal protective equipment

Eye Protection Safety glasses with side-shields

Skin Protection No special protective equipment required

Hand Protection No special protective equipment required

Respiratory Protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirator

Environmental exposure controls Avoid dust formation

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Powder, Granular</td>
</tr>
<tr>
<td>Color</td>
<td>White</td>
</tr>
<tr>
<td>Odor</td>
<td>None</td>
</tr>
<tr>
<td>pH</td>
<td>8 - 10</td>
</tr>
<tr>
<td>Flashpoint (°C) DEGREES</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling point (°C) DEGREES</td>
<td>2210</td>
</tr>
<tr>
<td>Melting point (°C) DEGREES</td>
<td>2000 - 2050</td>
</tr>
<tr>
<td>Solubility</td>
<td>Insoluble</td>
</tr>
<tr>
<td>Density</td>
<td>2.7-3.94 g/cm³</td>
</tr>
<tr>
<td>Bulk Density</td>
<td>350-1250 kg/m³</td>
</tr>
</tbody>
</table>
10. STABILITY AND REACTIVITY

10.1. Reactivity
None under normal processing

10.2. Chemical Stability
Stable under normal conditions

10.3. Possibility of Hazardous Reactions
None under normal processing

10.4. Conditions to Avoid
None under normal processing

10.5. Incompatible materials
None under normal processing

10.6. Hazardous Decomposition Products
None under normal processing

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects
Acute Toxicity

Acute oral toxicity: Conclusive but not sufficient for classification
Acute dermal toxicity: Conclusive but not sufficient for classification
Acute inhalation toxicity: Conclusive but not sufficient for classification

Chronic Toxicity

Irritation: Conclusive but not sufficient for classification
Corrosivity: Conclusive but not sufficient for classification
Sensitization: Conclusive but not sufficient for classification
Mutagenic Effects: Conclusive but not sufficient for classification
Carcinogenic effects: Conclusive but not sufficient for classification
Reproductive Effects: Conclusive but not sufficient for classification
Developmental Effects: Conclusive but not sufficient for classification
Aspiration Hazard: Conclusive but not sufficient for classification
12. ECOLOGICAL INFORMATION

12.1. Toxicity
Ecotoxicity effects
Not water endangering
Aquatic toxicity is unlikely due to low solubility

12.2 Persistence and degradability
No information available

12.3 Bioaccumulative potential
No information available

12.4 Mobility in soil
No information available

12.5 Results of PBT and vPvB assessment
No information available

12.6 Other adverse effects
None known

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Waste from Residues/Unused Products
Disposal should be in accordance with applicable regional, national and local laws and regulations

Contaminated Packaging
Empty containers should be taken to an approved waste handling site for recycling or disposal

14. TRANSPORT INFORMATION

Note: Not classified as dangerous in the meaning of transport regulations

IMO/IMO
Not regulated.

RID Not regulated.

ADR Not regulated.

ICAO Not regulated.

IATA Not regulated.
15. REGULATORY INFORMATION

15.1. **Safety, health and environmental regulations/legislation specific for the substance or mixture**

**International Inventories**

<table>
<thead>
<tr>
<th>Inventory</th>
<th>Complies</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td></td>
</tr>
<tr>
<td>EINECS/ELINCS</td>
<td></td>
</tr>
<tr>
<td>DSUNDSL</td>
<td>Listed on OSL</td>
</tr>
<tr>
<td>PICCS</td>
<td>Complies</td>
</tr>
<tr>
<td>ENCS</td>
<td>Complies</td>
</tr>
<tr>
<td>IECSC</td>
<td>Complies</td>
</tr>
<tr>
<td>AICS</td>
<td>Complies</td>
</tr>
<tr>
<td>KECL</td>
<td>Complies</td>
</tr>
</tbody>
</table>

**Legend**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
DSUNDSL - Canadian Domestic Substances List/Non-Domestic Substances List
PICCS - Philippines Inventory of Chemicals and Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
AICS - Australian Inventory of Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances

15.2. **Chemical Safety Assessment**

A Chemical Safety Assessment has been carried out

16. OTHER INFORMATION

Key literature references and sources for data:
www.ChemADVISOR.com

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USA
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sales@intlstoneworks.com

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Revision Date: 01-Aug-2018
Revision Summary

Revision 11, April 2008
Section 1 changed contact address
Section 16 added email address and revision history
Revision 12, June 2010
Section 1 added additional products to synonyms
Revision 13, March 2011
Update to format
Revision 14, February 2012
Section 1 added to supplier details
Revision 15, July 2013
Section 15, corrected listing for DSL, ENCS, and PICCS
Revision 16, January 2014
Section 1, added AB-Aluminas
Section 1, added Burnside Inc
Section 8, revised ACGIH TWA
Section 9 added boiling point and revised melting point
Revision 17, August 2014
Section 8, revised GOEL
Revision 18, February 2015
Section 1 added Polishing Alumina to product name
Section 1, revised synonyms
Revision 19, August 2018
Section 1, changed contact address
Section 16, added email and revision history

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer
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.

End of Safety Data Sheet