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Revision Number 19

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING****1.1 Product identifier**Product Name Tile **Glow # 2 White**Contains Aluminum oxide, CAS 1344-28-1  
Citric Acid, CAS 5949-29-1**Synonyms** A-Aluminas, AB-Aluminas, CL-Aluminas, CT-Aluminas, CTC-Aluminas, E-SY 1000, Flux Grade Alumina, Gilox, HVA, IS-Aluminas, LS-Aluminas, P-Aluminas, RG-Aluminas, SC-Aluminas,**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](mailto:sales@intlstoneworks.com)**1.4 Emergency telephone number**CHEMTREC:  
+1-703-527-3887 (INTERNATIONAL)  
+1-800-4249300 (NORTH AMERICA)

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**2. HAZARDS IDENTIFICATION**

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**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**

Danger/ Caution

**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 - IF ON SKIN: Wash with plenty of soap and water

H315- Causes skin irritation

**2.3. Other information**

No information available

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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**3.1. Substances**

Chemical Name	CAS No.	Weight- %	REACH Reg. No
Aluminum oxide	1344-28-1	90% - 95%	01-2119529248-35-0024
Citric Acid	5949-29-1	2% - 5%	01-2119529248-35-0125 01-2119529248-35-0086 01-2119529248-35-0238

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### 4. FIRST AID MEASURES

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**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 needed**

Notes to Physician

Treat symptomatically

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## 5. FIRE-FIGHTING MEASURES

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### 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.

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## 6. ACCIDENTAL RELEASE MEASURES

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### 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

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## 7. HANDLING AND STORAGE

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### 7.1 Precautions for Safe 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

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### 8.1 Control parameters

Chemical Name	EU	United Kingdom	France	Spain	Germany OEL (TWA)
Aluminum oxide 13 44-28-1			VME: 10 mg/m <sup>3</sup>	VLA-ED: 10 mg/m <sup>3</sup>	1.25 mg/m <sup>3</sup> 6.0 mg/m <sup>3</sup> (a)

(a) GOEL - Germany - TRGS 900 - Occupational Exposure L1m1ts - TW As(a) exempt facilities listed in 2.4(8) and (9)

Component	Italy	Portugal	Netherlands	Finland	Denmark
Aluminum oxide 1344-28-1 (>99)		TWA: 10 mg/m <sup>3</sup>			TWA: 10 mg/m <sup>3</sup>

Component	OSHA PEL	ACGIHTWA
Aluminum oxide 1344-28-1 (>99)	15 mg/m <sup>3</sup> TWA (total dust); 5mg/m <sup>3</sup> TWA (respirable fraction)	1 mg/m <sup>3</sup> TWA (respirable fraction)

Derived No Effect Level (DNEL) 3 rmg/m<sup>3</sup>, respirable, 8 hour TWA

Predicted No Effect Concentration (PNEC) No information available

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 respirators

Environmental exposure controls Avoid dust formation

**9. PHYSICAL AND CHEMICAL PROPERTIES**

9.1. Information on basic physical and chemical properties

Physical State	Powder, Granular
Color	White
Odor	None
pH	8 -10
Flash point(°C)DEGREES	Not applicable
Boiling point/range (°C) DEGREES	2210
Melting point(°C) DEGREES	2000 - 2050
Solubility	Insoluble
Density	2.7-3.94 g/cm <sup>3</sup>
Bulk Density	350-1250 kg/m <sup>3</sup>

**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

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## 11. TOXICOLOGICAL INFORMATION

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### 11.1. Information on toxicological effects

#### Acute Toxicity

<b>Acute oral toxicity</b>	Conclusive but not sufficient for classification
<b>Acute dermal toxicity</b>	Conclusive but not sufficient for classification
<b>Acute inhalation toxicity</b>	Conclusive but not sufficient for classification

#### Chronic Toxicity

<b>Irritation</b>	Conclusive but not sufficient for classification
<b>Corrosivity</b>	Conclusive but not sufficient for classification
<b>Sensitization</b>	Conclusive but not sufficient for classification
<b>Mutagenic Effects</b>	Conclusive but not sufficient for classification
<b>Carcinogenic effects</b>	Conclusive but not sufficient for classification
<b>Reproductive Effects</b>	Conclusive but not sufficient for classification
<b>Developmental Effects</b>	Conclusive but not sufficient for classification
<b>Aspiration Hazard</b>	Conclusive but not sufficient for classification

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## 12. ECOLOGICAL INFORMATION

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### 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

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## 13. DISPOSAL CONSIDERATIONS

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### 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

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## 14. TRANSPORT INFORMATION

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

**IMDG/IMO** Not regulated.

**RID** Not regulated.

**ADR** Not regulated

ICAO Not regulated.

IATA Not regulated.

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## 15. REGULATORY INFORMATION

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

TSCA	Complies
EINECS/E LINCS	Complies
DSUNDSL	Listed on DSL
PICCS	Complies
ENCS	Complies
IECSC	Complies
<b>AICS</b>	Complies
KECL	Complies

#### 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  
**OSU NDSL** - 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

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## 16. OTHER INFORMATION

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Key literature references and sources for data  
[www.ChemADVISOR.com/](http://www.ChemADVISOR.com/)

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**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 Qingdao 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 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

**Updates**

The most current version of this Safety Data Sheet is available at this URL:  
[Intlstonetworks.com](http://Intlstonetworks.com)

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

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End of Safety Data Sheet