

International Stoneworks, Inc. SAFETY DATA SHEET

Issuing Date 01-August-2018

Revision Date 01-Aug-2018

Revision Number 19

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

1.1 Product identifier

Product Name Tile **Glow # 2 Gray**

Contains Aluminum oxide, CAS 1344-28-1
Citric Acid, CAS 5949-29-1
Synthetic Black Iron Oxide Pigment CAS 1227-89-3

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

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**

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

3. COMPOSITION/INFORMATION ON INGREDIENTS

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 |
| Synthetic Black Iron Oxide Pigment | 1227-89-3 | <1 % | 01-2119529248-35-0086 01-2119529248-35-0238 |

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 needed

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

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

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

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

Derived No Effect Level (DNEL) 3 rmg/m³, 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 ³ |
| Bulk Density | 350-1250 kg/m ³ |

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

IMDG/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

| | |
|-----------------|---------------|
| TSCA | Complies |
| EINECS /E LINCS | Complies |
| DSUNDSL | Listed on DSL |
| PICCS | Complies |
| ENCS | Complies |
| IECSC | Complies |
| AICS | 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

16. OTHER INFORMATION

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

Prepared By: International Stoneworks, Inc.
8650 Fairbanks N. Houston Rd.
Houston, TX. 77064
USA
713-956-8291
sales@intlstoneworks.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

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

Disclaimer

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End of Safety Data Sheet