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 ® #1 Black

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


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)

![Symbol Image]

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.

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>01-2119529248-35-0125</td>
</tr>
<tr>
<td>Synthetic Black Iron Oxide Pigment</td>
<td>1227-89-3</td>
<td>&lt;1 %</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>Italy</td>
<td>Portugal</td>
<td>Netherlands</td>
<td>Finland</td>
<td>Denmark</td>
</tr>
<tr>
<td>TWA: 10 mg/m³</td>
<td>TWA: 10 mg/m³</td>
<td>TWA: 10 mg/m³</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(a) GOEL • Germany • TRGS 900 • Occupational Exposure L1m1ts - TWAs, (a) exempt fac11t1es listed m2.4(8) and (9)

<table>
<thead>
<tr>
<th>Component</th>
<th>OSHA PEL</th>
<th>ACGIH TWA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminum oxide</td>
<td>15 mg/m³ TWA (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

Physical State
Powder, Granular

Color
White

Odor
None

pH
8 - 10

Flashpoint (°C) DEGREES
Not applicable

Boiling point/range (°C) DEGREES
2210

Melting point (°C) DEGREES
2000 - 2050

Solubility
Insoluble

Density
2.7 - 3.94 g/cm³

Bulk Density
350 - 1250 kg/m³
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>Regulatory Database</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>TSCA</td>
<td>Complies</td>
</tr>
<tr>
<td>EINECS/ELINCS</td>
<td>Complies</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 SubstancesList
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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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-Alumias
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
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End of Safety Data Sheet