Safety Data Sheet

Liquid Brick

Section 1: Identification

GHS product identifier
Product name: Liquid Brick
Product Code: N/A

Recommended uses and uses advised against
Recommended use:

Uses not recommended:
Cleaning 'soft' metals or delicate surfaces.

Supplier details

Advantage Chemical, LLC.
27375 Via Industria
Temecula, CA 92590
855.238.2436

Telephone (general) 855-238-2436
Website: advantagechemical.com

Emergency telephone number

Infotrac: (800) 535-5053

Section 2: Hazard identification

United States (US)
According to OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture
OSHA HCS 2012

Skin Corrosion/Irritation 1

Label Elements
OSHA HCS 2012

Danger

Hazard Statements

H314 Causes severe skin burns and eye damage.

Precautionary Statements

Prevention

P260 Do not breathe dusts or mists.
P264 Wash hands and skin thoroughly after handling.
P290 Wear protective gloves, protective apron, eye protection and face shield where appropriate.

Response

P301 + P330 + P331 IF SWALLOWED: Rinse mouth.
Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing.
Rinse skin with water. 
P303 + P360 IF INHALED: Remove person to fresh air and keep comfortable for breathing. 
P310 Immediately call a poison control center and seek medical attention. 
P362 Specific treatment see section 4. 
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. 
P501 Dispose of contents/container per guidelines in section 13. 
P405 Store locked up. 

See section 11 for toxicological information. 

Section 4: First-Aid Measures 

**Description of first aid measures**

**Inhalation:** Move to fresh air. Call physician if symptoms develop or persist. 
**Skin:** Take off immediately all contaminated clothing. Rinse skin with water or use emergency shower. Call physician or poison control center immediately. Wash contaminated clothing or articles before reuse. 
**Eye:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do. Continue rinsing. Call physician or poison control center immediately. 
**Ingestion:** Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn’t get into the lungs. Do not use mouth to mouth method if victim ingested substance. Artificial respiration may be administered only with pocket mask with one-way valve. 

**Most important symptoms and effects, both acute and delayed**

Burning pain and severe corrosive skin damage. Diarrhea. Nausea, vomiting. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, blurred vision and foreign body sensation. Permanent eye damage/blindness could occur. Coughing. 

**Indication of any immediate medical attention and special treatment needed:**

Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed. 

**Section 5: Fire-Fighting Measures**

**Extinguishing media**

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Special hazards arising from the substance or mixture

Unusual fire and explosion hazards: During fire, gasses hazardous to health may be formed.

Hazardous combustion products: Material data lacking.

Advice for firefighters Use water spray to cool containers exposed to fire.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal precautions: Wear appropriate protective equipment including respiratory protection as conditions warrant. Do not touch or walk through spilled material.

Emergency procedures: As an immediate precautionary measure, isolate spill or leak for at least 50 meters. Keep unnecessary personnel away, and keep people upwind and远离 from spill or leak. Do not breathe mist or vapor. Do not touch damaged containers or spilled material unless protected. Ensure adequate ventilation. Advise local authorities if spillage cannot be contained.

Environmental precautions Avoid run off to waterways and sewers. Avoid release to the environment.

Methods and material for containment and clean-up

Stop leak if you can do it without risk.

Section 7: Handling and Storage

Precautions for safe handling

Handling: Do not breathe mist or vapor. Do not get in eyes, on skin or on clothing. When using, do not eat, drink or smoke. Provide Adequate Ventilation. Wear appropriate personal protective equipment.

Conditions for safe storage, including any incompatibilities

Storage: Store at or near room temperature. Keep container closed when not in use. Store in cool, dry place away from incompatible materials.


Section 8: Exposure Controls/Personal Protection

Control parameters

<table>
<thead>
<tr>
<th>Component</th>
<th>Exposure Limits/Guidelines</th>
<th>NIOSH</th>
<th>ACGIH</th>
<th>Canada Ontario</th>
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<tbody>
<tr>
<td>Potassium Hydroxide CAS No. 1310-58-3</td>
<td>STELs</td>
<td>Data lacking</td>
<td>2 mg/m3</td>
<td>Data lacking</td>
</tr>
<tr>
<td></td>
<td>TWAs</td>
<td>Data lacking</td>
<td>2 mg/m3</td>
<td>Data lacking</td>
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<tr>
<td>Proprietary Dispersants/Stabilizers CAS No. Not Applicable</td>
<td>STELs</td>
<td>Data lacking</td>
<td>Data lacking</td>
<td>Data lacking</td>
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<tr>
<td></td>
<td>TWAs</td>
<td>Data lacking</td>
<td>Data lacking</td>
<td>Data lacking</td>
</tr>
</tbody>
</table>

Exposure controls

Engineering measures and controls: Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable exposure limit values. Good general ventilation (10 air changes per hour) should be used. Eye wash facilities and emergency shower must be available when handling this product. Perform a risk assessment to determine the appropriate PPE.

Incompatible materials or ignition sources:

Pictograms:

Respiratory: Not required.

Eye and face: Must wear goggles when using this product.

Hands: Must wear chemical protective gloves when using this product.

Skin and body: Must wear chemical protective clothing when using this product.
General industrial hygiene considerations:
Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling.

Environmental exposure controls:
Follow best practice for site management and disposal of waste. Avoid release to the environment.

Key to Abbreviations
ACGIH = American Conference of Governmental Industrial Hygiene
TWA = Time-Weighted Average exposures are based on 8-hour, 40-hour/week NIOSH = National Institute of Occupational Safety and Health
Exposure Limits are based on 15-minute exposures
OSHA = Occupational Safety and Health Administration
STEL = Short Term Exposure Value
MSHA = Mine Safety and Health Administration

Section 9: Physical and Chemical Properties
Information on physical and chemical properties

<table>
<thead>
<tr>
<th>Material Description</th>
<th>Physical Form</th>
<th>Liquid</th>
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</thead>
<tbody>
<tr>
<td>Color</td>
<td>Indescent yellow/green.</td>
<td></td>
</tr>
<tr>
<td>Taste</td>
<td>Data lacking</td>
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</tr>
<tr>
<td>Particulate Size</td>
<td>Not relevant</td>
<td></td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not relevant</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Appearance/Description</th>
<th>Opaque.</th>
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</thead>
<tbody>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>Particulate Type</td>
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<tr>
<td>Aerosol Type</td>
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<td>Physical and Chemical Properties</td>
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<table>
<thead>
<tr>
<th>General Properties</th>
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<tbody>
<tr>
<td>Boiling Point</td>
</tr>
<tr>
<td>Decomposition</td>
</tr>
<tr>
<td>Temperature</td>
</tr>
<tr>
<td>pH</td>
</tr>
<tr>
<td>Density</td>
</tr>
<tr>
<td>Water Solubility</td>
</tr>
<tr>
<td>Viscosity</td>
</tr>
<tr>
<td>Odorizing Properties:</td>
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<table>
<thead>
<tr>
<th>Volatility</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vapor Pressure</td>
</tr>
<tr>
<td>Evaporation Rate</td>
</tr>
<tr>
<td>VOC (Vol.)</td>
</tr>
<tr>
<td>Volatiles (Vol.)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Flammability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Point</td>
</tr>
<tr>
<td>LEL</td>
</tr>
<tr>
<td>Self-Accelerating Decomposition</td>
</tr>
<tr>
<td>Temperature (SADT)</td>
</tr>
<tr>
<td>Burning Time</td>
</tr>
<tr>
<td>Flame Height</td>
</tr>
<tr>
<td>Ignition Distance</td>
</tr>
</tbody>
</table>

| Flammability (solid, gas) | Not applicable |
| UEL                      | Not applicable |
| Autoignition             | Not applicable |
| Heat of Combustion (ΔHc) | Data lacking |
| Flame Duration           | Data lacking |
| Flame Extension          | Data lacking |
| Flammability (solid, gas) | Not applicable |

Environmental

| Degradation | Data lacking |
| Octanol/Water Partition coefficient | Data lacking |
| Bioaccumulation Factor | Data lacking |
| Biochemical Oxygen Demand | Data lacking |
| BOD/DODS | Data lacking |
| Persistence | Data lacking |

Section 10: Stability and Reactivity

Reactivity
React violently with strong acids. May react with oxidizing agents.

Chemical stability
Possible hazardous reactions
Material is stable under normal conditions.
No dangerous reaction known under conditions of normal use. Hazardous polymerization does not occur.

Conditions to avoid
Do not mix with other chemicals. Contact with incompatible materials must be avoided.

Incompatible materials

Hazardous decomposition products
Carbon oxides. Heat is generated from contact with acids, water and/or alcohols. When wet, attacks metals producing extremely flammable hydrogen gas and can form explosive mixtures with air.

Section 11: Toxicological Information

Information on toxicological effects

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS No.</th>
<th>Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium Hydroxide</td>
<td>1310-58-3</td>
<td>Oral-rat LD50: 606.6667 mg/kg</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Data lacking</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Not expected to cause reproductive effects.</td>
</tr>
</tbody>
</table>

Proprietary Dispersants/Stabilizers
Not Applicable
Data lacking
Data lacking
Data lacking

Target organs
No data available.

Routes of entry and/or exposure
Inhalation, Skin contact, eye contact, ingestion.

Potential health effects

Inhalation
Acute (immediate): May cause irritation to the respiratory system.
Chronic (delayed): Prolonged inhalation may be harmful.

Skin
Acute (immediate): Causes severe skin burns and eye damage.
Chronic (delayed): This product is not expected to cause skin sensitization.

Ingestion
Acute (immediate): Toxic if swallowed. Causes digestive tract burns.
Chronic (delayed): No data available.

Eye
Acute (immediate): Causes serious eye damage.
Chronic (delayed): Blindness and blurred vision, foreign body sensation.

Section 12: Ecological Information

Toxicity
Harmful to aquatic life with long lasting effects.

Persistence and degradability
Material data lacking.

Bioaccumulative potential
Material data lacking.

Mobility in soil
Material data lacking.

Other adverse effects
No studies have been found.

Other information
No other adverse environmental effects

Section 13: Disposal Considerations

Waste treatment methods
Product waste
Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Empty containers should be taken to an approved waste handling site for recycling or disposal. Warning: empty product containers may contain dangerous residue!

Section 14: Transport Information

UN Proper Shipping Name and D.O.T. Information

UN 1760 Compound, Cleaning Liquid, Corrosive
Contains Potassium Hydroxide 8, III,

Section 15: Regulatory Information

Safety, health and environmental regulations specific to substance or mixture
SARA hazard classifications: Immediate Hazard, Reactivity Hazard - SARA classified as hazardous

Section 16: Other Information

Last revision date: 08/21/17
Preparation date: 08/21/17

Disclaimer and statement of liability:
The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstance of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.