# SAFETY DATA SHEET

## 1. Product and company identification

**Product Name**: ALUMI SAFE  
**UN/ID No.**: UN1759 (Contains Sodium Metasilicate)

### Supplier:
**Butler Chemicals, Inc.**  
3070 E. Ceena CT.  
Anaheim, CA. 92806

**Print date**: May 09, 2015  
**Responsible name**: Kenny Bailey  
**In case of emergency**: HEALTH EMERGENCIES — SPILL EMERGENCIES  
CALL INFOTRAC 1(800) 535-5053  
**Product type**: Mixture

## 2. Hazards identification

### Appearance: White  
**Physical State**: Solid  
**Odor**: Odorless

#### Classification

| Specific Target Organ Toxicity single exposure | Category 3 |
| Skin corrosion/irritation | Category 1 Sub-category B |
| Serious eye damage/eye irritation | Category 1 |

**Signal Word**: Danger

### Hazard Statement

Danger! Corrosive, Harmful if swallowed  
H314: Causes severe skin burns and eye damage  
H335: May cause respiratory irritation, may be harmful if inhaled. Material is extremely destructive to the tissue of the mucus membranes and upper respiratory tract.

Chronic Exposure: No information, Avoid repeated exposure

### Precautionary Statements – Preventions

- Do not get in Eyes, on Skin or on Clothing. Wash face, hands and any exposed skin thoroughly after handling  
- Do not eat, drink or smoke when using this product  
- Use only with adequate ventilation, use only outdoors or in a well-ventilated area  
- Do not breathe dust/fume/gas/mist/vapors/spray  
- Wear protective gloves/protective clothing/eye protection/face protection  
- Keep container closed.  
- Keep out of reach of children

### Precautionary Statements – Response
Immediately call A POISON CENTER or doctor/physician
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing immediately call a POISON CONTROL or doctor/physician
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower Wash contaminated clothing before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Immediately call a POISON CENTER or doctor/physician
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician, Rinse mouth, Do not induce vomiting!

Precautionary Statements – Storage
Store locked up
Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements – Disposal
Disposed of contents/container to an approved waste disposal plant

3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Metasilicate Anhydrous</td>
<td>6834-92-0</td>
<td>32.99</td>
</tr>
<tr>
<td>Sodium Tripolyphosphate</td>
<td>7758-29-4</td>
<td>31</td>
</tr>
</tbody>
</table>

4. First aid measures
Eye contact: Get medical aid immediately. Do NOT allow victim to rub or keep eyes closed. Check for and remove any contact lenses if easy to do so. Immediately flush eyes with running water for at least 30 minutes, keeping eyelids apart. Use cool running water. Do not use an eye ointment.

Skin contact: Get medical aid immediately. Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Discard contaminated clothing in a manner which limits further exposure. Destroy contaminated shoes.

Inhalation: Get medical aid immediately. Remove from exposure to fresh air immediately. If breathing is difficult, give oxygen. Do NOT use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; if breathing has ceased apply artificial respiration using oxygen and suitable mechanical device such as a bag and a mask.

Ingestion: Do NOT induce vomiting. Have victim rinse mouth thoroughly with water, if conscious. Never give anything by mouth to an unconscious person. Get medical aid immediately.

Note to physician
Provide general supportive measures and treat symptomatically and supportively.

5. Fire-fighting measures
Flash point: N/A
Flammability of the product: Material is not flammable
Extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
Suitable: As in any fire, wear self-contained breathing apparatus pressure demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental release measures
Personal precautions: Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation Evacuate personnel to safe areas
Environmental precautions: Do not let product enter drains
Methods for cleaning up
Small spill: Use appropriate tools to Pick up and arrange disposal without creating dust
Large spill: Sweep up and shovel into suitable containers for disposal. Wear appropriate protective equipment when handling product. Do not touch spilled material. Call for assistance on disposal.

7. Handling and storage

Handling: Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust formed.

Storage Keep container tightly closed in a dry and well-ventilated place. Hygroscopic Keep in a dry place.

8. Exposure controls/personal protection

Consult local authorities for acceptable exposure limits.

Engineering Controls Apply technical measures to comply with the occupational exposure limits.

Local exhaust ventilation recommended. Eye wash stations. Showers.

Individual-protection measures, such as personal protective equipment

<table>
<thead>
<tr>
<th>Eye/Face Protection</th>
<th>Safety glasses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin and Body Protection</td>
<td>Handle with gloves. Choose body protection according to the amount and concentration of the dangerous substance at the work place.</td>
</tr>
<tr>
<td>Respiratory Protection</td>
<td>None required where adequate ventilation conditions exist. If airborne concentration is high, use an appropriate respirator or dust mask. If airborne, concentrations are above the applicable exposure limits, use NIOSH-approved respiratory protection. If respiratory protection is needed, use only protection authorized in the U.S. Federal OSHA Standard (29 CFR 1910.134). Applicable U.S. State regulation.</td>
</tr>
<tr>
<td>General Hygiene considerations</td>
<td>Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.</td>
</tr>
</tbody>
</table>

9. Physical and chemical properties

| Physical state | Powder |
| Flash Point | N/A |
| Color | White |
| pH | Approx. 12.6 |
| Boiling/condensation point | No data available |
| Melting/freezing point | 1,090 °C (1,994 °F) |
| Density | 2.61 g/cm³ at 20 °C (68 °F) |
| Solubility in water | 350 g/l at 20 °C (68 °F) |

10. Stability reactivity

| Stability | Stable under recommended storage conditions |
| Hazardous polymerization | Hazardous decomposition product formed under fire conditions. Sodium oxides, silicon oxides |
| Conditions to avoid | Avoid high temperatures, moisture and incompatible materials |
| Materials to avoid | Strong acids, Lead, Tin/tin oxides, Zinc, Aluminum |
| Hazardous decomposition | Sodium oxide fumes. Solution of Sodium Metasilicate, when heated or acidified, are hydrolyzed to free sodium ions and silicic acid |

11. Toxicological information

Acute toxicity
LD50 Oral – rat – 1,153 mg/kg

Irritation and corrosion
Skin – rabbit – Severe skin irritation - 24 h
Sensitization
No data available

Chronic exposure
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as carcinogen or potential carcinogen by OSHA.

Reproductive toxicity – rat – Oral
Effects on Newborn: Stillbirth. Effects on Newborn: Live birth index (# fetuses per litter; measured after birth). Effects on newborn: Weaning or lactation index (e.g., # alive at weaning per # alive at day 4)

Signs and Symptoms of Exposure
Burning sensation, cough, wheezing, laryngitis, shortness of breath, spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema. Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin.

Potential Health Effects
Information on likely routes of exposure

Eye Contact
Causes severe eye damage

Skin Contact
Causes severe skin burns

Inhalation
Harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

Ingestion
Harmful is swallowed. Causes burns

12. Ecological information
No data available

13. Disposal considerations

Waste disposal: The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe way. Dispose of surplus and non-recyclable products via a license waste contactor. Disposal of this product, solutions and any by products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Avoid dispersal of spilled material and runoff and contract with soil, waterways, drains and sewers.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14. Transport information

<table>
<thead>
<tr>
<th>Regulatory Information</th>
<th>UN number</th>
<th>Proper shipping name</th>
<th>Class</th>
<th>PG*</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT Classification</td>
<td>UN1759</td>
<td>(Contains Sodium Metasilicate)</td>
<td>8</td>
<td>II</td>
</tr>
</tbody>
</table>

*PG: Packing group
15. Regulatory information

OSHA Hazard
Harmful by ingestion. Corrosive
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (DE Minimis) reporting levels established by SARA Title III, Section 313

SARA 313/312 Hazards
Acute Health Hazard

U.S. State Regulations
California Proposition 65
This product does not contain any Proposition 65 chemicals

16. Other information

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>B</td>
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</tbody>
</table>

Indicates information that has changed from previously issued version.

Disclaimer
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End of Safety Data Sheet