



SAFETY DATA SHEET

1. Product and company identification

Product Name ALUMI SAFE

UN/ID No. UN1759 (Contains Sodium Metasilicate)

Recommended use of the chemical and restrictions on use
Recommended Use A medium duty powdered dish machine compound

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
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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 mucous 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

<u>Name</u>	<u>CAS number</u>	<u>%</u>
Sodium Metasilicate Anhydrous	6834-92-0	32.99
Sodium Tripolyphosphate	7758-29-4	31

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:
Suitable: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment
Special protective equipment for fire-fighters: 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

Eye/Face Protection	Safety glasses
Skin and Body Protection	Handle with gloves. Choose body protection according to the amount and concentration of the dangerous substance at the work place.
Respiratory Protection	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.
General Hygiene considerations	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

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/cm ³ 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 if 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 contact 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

Regulatory Information	UN number	Proper shipping name	Class	PG*
DOT Classification Corrosive Solid	UN1759	(Contains Sodium Metasilicate)	8	II

*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

HMIS

Health Hazards

2

Flammability

0

Reactivity

0

Personal Protection

B

 Indicates information that has changed from previously issued version.

Disclaimer

The information provided in the Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet