

**1. Product and company identification**

Product Name Chlor Soak  
UN/ID No. UN 1759 (Contains Sodium Metasilicate)

**Recommended use of the chemical and restrictions on use**

Recommended Use Industrial Heavy Duty Presoak for Stainless Flatware

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

**Print date:** 05-11-2015

**Responsible name:** K.B.  
**In case of emergency:** HEALTH EMERGENCIES — SPILL EMERGENCIES  
CALL INFOTRAC 1(800) 535-5053

<b>Product type:</b>	Solid Powder
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**2. Hazards identification**

<b>Appearance:</b> White Powder	<b>Physical State:</b> Solid Powder	<b>Odor:</b> None
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**Classification**

Acute Toxicity – Oral	Category 4
Acute Dermal Toxicity	Category 4
Skin corrosion/irritation	Category 1 Sub-category A
Serious eye damage/eye irritation	Category 1

**Signal Word:** Danger

**Pictograms:**



**Hazard Statement**

Harmful if swallowed  
Causes severe skin burns and eye damage  
Harmful if inhaled. Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.  
May cause respiratory irritation

**Precautionary Statements – Preventions**

Wash face, hands and any exposed skin thoroughly after handling  
Do not eat, drink or smoke when using this product  
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

**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

**Other Hazards**

Harmful to aquatic life  
 No information available

**3. Composition/information on ingredients**

<u>Name</u>	<u>CAS number</u>	<u>%</u>
Sodium Metasilicate	6834-92-0	*<25
*Exact concentration of composition has been withheld as a trade secret		

**4. First aid measures**

<b>Eye contact:</b>	Get medical attention 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.
<b>Skin contact:</b>	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.
<b>Inhalation:</b>	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 breathing has ceased apply artificial respiration using oxygen and suitable mechanical device.
<b>Ingestion:</b>	If Swallowed: rinse mouth. Do NOT induce vomiting. Drink large quantities of water without delay. Never give anything by mouth to an unconscious person. Get medical aid immediately. Call a POISON CENTER or doctor/physician.
<b>Symptoms</b>	<b>Most important symptoms and effects:</b> Causes severe skin burns and eye damage. May cause respiratory irritation. Ingestion causes acute irritation and burns to the mucous membranes of the mouth, trachea, and esophagus and stomach.
<b>Note to physician</b>	Person(s) with pre-existing skin disorders are impaired respiratory or pulmonary function may be at increased risk to the effects of this substance. Treat symptomatically and supportively.

**5. Fire-fighting measures**

<b>Flash point:</b>	N/A
<b>Flammability of the product:</b>	None, Material is not flammable
<b>Suitable Extinguishing media:</b>	Foam, Co2, Dry Chemical, Water Spray, Water, Carbon dioxide (CO2)
<b>Non suitable Extinguishing Media</b>	Not determined

**Specific Hazards Arising from the Chemical** Material is not flammable

**Unusual Fire & Explosion Hazards** Direct contact with water can cause a violent exothermic reaction

**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:** Avoid contact with skin, eyes and clothing. Avoid inhalation of dust. Ensure adequate ventilation. Use personal protective equipment.

**Environmental precautions:** Avoid release to the environment. Collect spillage. See section 12 for additional Ecological information. Dispose of contents/ container to an approved waste disposal plant. Prevent product from entering drains. Do not flush into surface water for sanitary sewer systems.

### Methods for cleanup and containment of material

**Small spill:** Prevent further leakage or spillage if safe to do so.  
Sweep up and shovel into suitable containers for disposal

**Large spill:** Sweep up and shovel into suitable containers for disposal

## 7. Handling and storage

**Handling:** Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Wash face, hands, and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Do not breathe dust/fume/gas/mist/vapors/spray.

**Storage** Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up.

## 8. Exposure controls/personal protection

### Exposure Guidelines

Chemical name	ACGIH-TLV	OSHA PEL	NIOSH IDLH
Sodium Metasilicate 6834-92-0	Ceiling: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup> (vacated) Ceiling: 2 mg/m <sup>3</sup>	-

**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** Tightly fitting safety goggles

**Skin and Body Protection** Rubber gloves. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

**Respiratory Protection** Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection. Approved/certified dust respirator or equivalent.

**General Hygiene considerations** Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Wash face, hands and any exposed skin thoroughly after handling.

## 9. Physical and chemical properties

<b>Physical state</b>	Granular
<b>Flash point</b>	N/A
<b>Color</b>	White
<b>pH</b>	12.9
<b>Boiling/condensation point</b>	No data available
<b>Evaporation rate</b>	No data available
<b>Specific gravity</b>	No data available
<b>Solubility in water</b>	Complete

## 10. Stability reactivity

<b>Stability</b>	Stable under recommended storage conditions
<b>Hazardous polymerization</b>	Hazardous polymerization does not occur
<b>Conditions to avoid</b>	Excessive heat. Avoid direct sunlight. Avoid moisture
<b>Materials to avoid</b>	None known
<b>Hazardous decomposition products</b>	None known based on information sheet.

## 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

### Elimination information (persistence and degradability)

No data available

### Ecotoxicity effects

No data available

### Further information on ecology

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

DOT (US): Not regulated

## 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

0

Flammability

0

Reactivity

0

Personal Protection

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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