

Issue Date: 01-Jan-2011

Revision Date: 12-May-2014

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product Name** Cal 81-XXX

### Other means of identification

**SDS #** CPCI-031  
**UN/ID No** UN1759

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

**Recommended Use** Cleaning agent.

### Details of the supplier of the safety data sheet

#### **Supplier Address**

Cal Pac Chemicals, Inc  
 6231 Maywood Ave  
 Huntington Park, CA 90255

### Emergency Telephone Number

**Company Phone Number** (323) 585-2178  
**Emergency Telephone (24 hr)** Chemtrec 1-800-424-9300 (North America) 1-703-527-3887 (International)

## 2. HAZARDS IDENTIFICATION

**Appearance** Off-white powder

**Physical State** Solid

**Odor** Slight soapy odor

### Classification

Acute toxicity - Dermal	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1

### Signal Word

**Danger**

### Hazard Statements

Harmful in contact with skin  
 Harmful if inhaled  
 Causes severe skin burns and eye damage



**Precautionary Statements - Prevention**

Wear protective gloves/protective clothing/eye protection/face protection  
 Use only outdoors or in a well-ventilated area  
 Do not breathe dust/fume/gas/mist/vapors/spray  
 Wash face, hands and any exposed skin thoroughly after handling

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
 Immediately call a poison center 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: rinse mouth. Do NOT induce vomiting

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Specific Hazards Arising from the Chemical**

Product makes alkaline solution when dissolved in water. Contact with metals may evolve flammable hydrogen gas.

**Hazardous Combustion Products** Phosphorus oxides. Hydrogen

**Other Hazards**

Harmful to aquatic life with long lasting effects

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Sodium carbonate	497-19-8	>26
Sodium hydroxide	1310-73-2	<35
Trisodium Phosphate	7601-54-9	<11

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST-AID MEASURES

**First Aid Measures**

<b>Eye Contact</b>	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice.
<b>Skin Contact</b>	Wash off immediately with plenty of water for at least 15 minutes. Take off contaminated clothing. Wash contaminated clothing before reuse. Get prompt medical attention.
<b>Inhalation</b>	Remove to fresh air. If not breathing, give artificial respiration. Call a physician immediately.
<b>Ingestion</b>	Rinse mouth. Do not induce vomiting. Call a physician or poison control center immediately.

**Most important symptoms and effects**

<b>Symptoms</b>	May cause eye burns and permanent eye damage. Prolonged contact may even cause severe skin irritation or mild burn. May cause irritation to the mucous membranes and upper respiratory tract.
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**Indication of any immediate medical attention and special treatment needed**

**Notes to Physician** Treat symptomatically.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Product makes alkaline solution when dissolved in water. Contact with metals may evolve flammable hydrogen gas.

**Hazardous Combustion Products** Phosphorus oxides. Hydrogen

**Protective equipment and precautions for firefighters**

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, protective equipment and emergency procedures**

**Personal Precautions** Use personal protective equipment as required.

**Methods and material for containment and cleaning up**

**Methods for Containment** Prevent further leakage or spillage if safe to do so.

**Methods for Clean-Up** Place in appropriate containers for disposal. Avoid creating dust.

**7. HANDLING AND STORAGE****Precautions for safe handling**

**Advice on Safe Handling** Wash thoroughly after handling. Use personal protection recommended in Section 8. Do not breathe dust/fume/gas/mist/vapors/spray. Use only in well-ventilated areas. When dissolving in water, add product slowly to surface of water with constant stirring. Avoid violent spattering.

**Conditions for safe storage, including any incompatibilities**

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

**Incompatible Materials** Metals.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium hydroxide 1310-73-2	Ceiling: 2 mg/m <sup>3</sup>	TWA: 2 mg/m <sup>3</sup> (vacated) Ceiling: 2 mg/m <sup>3</sup>	IDLH: 10 mg/m <sup>3</sup> Ceiling: 2 mg/m <sup>3</sup>

**Appropriate engineering controls**

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

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Tight sealing safety goggles.

**Skin and Body Protection** Rubber gloves. Rubber boots, apron, and coveralls.

**Respiratory Protection** If TLV is exceeded, or for symptoms of overexposure, wear a NIOSH-approved respirator for dusts and mists.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

<b>Physical State</b>	Solid	<b>Odor</b>	Slight soapy odor
<b>Appearance</b>	Off-white powder	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Off-white		

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>
<b>pH</b>	13.5 (4% solution)	
<b>Melting Point/Freezing Point</b>	Not available	
<b>Boiling Point/Boiling Range</b>	Not applicable	
<b>Flash Point</b>	None	
<b>Evaporation Rate</b>	Not applicable	
<b>Flammability (Solid, Gas)</b>	Not determined	
<b>Upper Flammability Limits</b>	Not applicable	
<b>Lower Flammability Limit</b>	Not applicable	
<b>Vapor Pressure</b>	Not applicable	
<b>Vapor Density</b>	Not applicable	
<b>Specific Gravity</b>	1.15	(1=Water)
<b>Water Solubility</b>	Appreciable	
<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>
<b>Solubility in other solvents</b>	Not determined	
<b>Partition Coefficient</b>	Not determined	
<b>Auto-ignition Temperature</b>	Not available	
<b>Decomposition Temperature</b>	Not determined	
<b>Kinematic Viscosity</b>	Not determined	
<b>Dynamic Viscosity</b>	Not determined	
<b>Explosive Properties</b>	Not determined	
<b>Oxidizing Properties</b>	Not determined	

**10. STABILITY AND REACTIVITY****Reactivity**

Not reactive under normal conditions.

**Chemical Stability**

Stable under recommended storage conditions.

**Possibility of Hazardous Reactions**

None under normal processing.

**Hazardous Polymerization**      Hazardous polymerization does not occur.

**Conditions to Avoid**

Keep out of reach of children.

**Incompatible Materials**

Metals.

**Hazardous Decomposition Products**

Phosphorous oxides. Hydrogen.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure****Product Information**

**Eye Contact**                              Causes severe eye damage.

**Skin Contact**                             Causes severe skin burns. Harmful in contact with skin.

**Inhalation**                                Harmful if inhaled.

**Ingestion**                                Do not taste or swallow.

**Component Information**

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium carbonate 497-19-8	= 4090 mg/kg ( Rat )	-	-
Sodium hydroxide 1310-73-2	-	= 1350 mg/kg ( Rabbit )	-
Trisodium Phosphate 7601-54-9	> 2000 mg/kg ( Rat )	> 300 mg/kg ( Rabbit )	> 2.16 mg/L ( Rat ) 1 h

**Information on physical, chemical and toxicological effects**

**Symptoms**                                Please see section 4 of this SDS for symptoms.

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Carcinogenicity**                        This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

**Numerical measures of toxicity**

Not determined

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity**

Harmful to aquatic life with long lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea

Sodium carbonate 497-19-8	242: 120 h Nitzschia mg/L EC50	300: 96 h Lepomis macrochirus mg/L LC50 static 310 - 1220: 96 h Pimephales promelas mg/L LC50 static	265: 48 h Daphnia magna mg/L EC50
Sodium hydroxide 1310-73-2		45.4: 96 h Oncorhynchus mykiss mg/L LC50 static	

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Not determined

**Other Adverse Effects**

Not determined

**13. DISPOSAL CONSIDERATIONS**

**Waste Treatment Methods**

**Disposal of Wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**California Hazardous Waste Status**

Chemical Name	California Hazardous Waste Status
Sodium carbonate 497-19-8	Corrosive
Sodium hydroxide 1310-73-2	Toxic Corrosive

**14. TRANSPORT INFORMATION**

**Note** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

**DOT**

**UN/ID No** UN1759  
**Proper Shipping Name** Corrosive Solid N.O.S (Sodium hydroxide)  
**Hazard Class** 8  
**Packing Group** II

**IATA**

**UN/ID No** UN1759  
**Proper Shipping Name** Corrosive Solid N.O.S (Sodium hydroxide)  
**Hazard Class** 8  
**Packing Group** II

**IMDG**

**UN/ID No** UN1759  
**Proper Shipping Name** Corrosive Solid N.O.S (Sodium hydroxide)  
**Hazard Class** 8  
**Packing Group** II

**Marine Pollutant**

This material may meet the definition of a marine pollutant

**15. REGULATORY INFORMATION****International Inventories**

Not determined

**US Federal Regulations****CERCLA**

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Sodium hydroxide 1310-73-2	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ
Trisodium Phosphate 7601-54-9	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

**SARA 313**

Not determined

**CWA (Clean Water Act)**

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Sodium hydroxide 1310-73-2 ( <35 )	1000 lb			X
Trisodium Phosphate 7601-54-9 ( <11 )	5000 lb			X

**US State Regulations****U.S. State Right-to-Know Regulations**

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Sodium hydroxide 1310-73-2	X	X	X
Trisodium Phosphate 7601-54-9	X	X	X

**16. OTHER INFORMATION****NFPA****Health Hazards**

2

**Flammability**

0

**Instability**

0

**Special Hazards**

COR

**HMIS****Health Hazards**

Not determined

**Flammability**

Not determined

**Physical Hazards**

Not determined

**Personal Protection**

Not determined

**Issue Date:**

01-Jan-2011

**Revision Date:**

12-May-2014

**Revision Note:**

New format

**Disclaimer**

The information provided in this 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**