

Issue Date: 01-Jan-2011

Revision Date: 12-May-2014

Version 1

1. IDENTIFICATION

Product Identifier

Product Name Cal 33

Other means of identification

SDS # CPCI-030
UN/ID No UN 3084

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 granular powder

Physical State Solid

Odor Mild soap

Classification

| | |
|--|---------------------------|
| Acute toxicity - Oral | Category 4 |
| Skin corrosion/irritation | Category 1 Sub-category C |
| Serious eye damage/eye irritation | Category 1 |
| Specific target organ toxicity (single exposure) | Category 3 |

Signal Word

Danger

Hazard Statements

Harmful if swallowed
 Causes severe skin burns and eye damage
 May cause respiratory irritation. May cause drowsiness or dizziness



Precautionary Statements - Prevention

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

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: Call a POISON CENTER or doctor/physician if you feel unwell
 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

Dispose of contents/container to an approved waste disposal plant

Unknown Acute Toxicity

4% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|---------------------------------|------------|----------|
| Sodium metasilicate | 6834-92-0 | <35 |
| Sodium carbonate | 497-19-8 | <25 |
| Monosodium Phosphate | 7558-80-7 | <10 |
| Sodium Dodecylbenzene Sulfonate | 25155-30-0 | <5 |

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**Eye Contact**

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.

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| Skin Contact | Wash off immediately with plenty of water. Take off contaminated clothing. Wash contaminated clothing before reuse. Seek medical attention if irritation develops. |
| Inhalation | Remove to fresh air. Call a physician immediately. |
| Ingestion | Drink plenty of water or milk immediately. Do not induce vomiting. Get medical attention if you feel unwell. |

Most important symptoms and effects

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| Symptoms | Contact will cause irritation and redness to exposed areas. May cause corneal injury. May cause irritation to the mucous membranes and upper respiratory tract. May cause gastrointestinal disturbance. |
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Indication of any immediate medical attention and special treatment needed

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|---------------------------|------------------------|
| Notes to Physician | Treat symptomatically. |
|---------------------------|------------------------|

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

Water. Water spray (fog).

Unsuitable Extinguishing Media Not determined.

Specific Hazards Arising from the Chemical

Product makes alkaline solution when dissolved in water.

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**

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| Personal Precautions | Use personal protective equipment as required. |
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Methods and material for containment and cleaning up

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| Methods for Containment | Prevent further leakage or spillage if safe to do so. |
| Methods for Clean-Up | Sweep up spills and place in a metal container. Rinse area thoroughly. May require neutralization with dilute acids to a specific pH before discharge to a sanitary sewer. Consult with local regulations. |

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

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| 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. Do not eat, drink or smoke when using this product. |
|--------------------------------|--|

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children. Store away from incompatible materials.

Incompatible Materials Acids.

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

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|----------------------------------|---------------------|---------------------|------------|
| Sodium metasilicate 6834-92-0 | 2 mg/m ³ | 2 mg/m ³ | - |

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 Wear safety glasses with side shields (or goggles).

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

Respiratory Protection NIOSH-approved face mask.

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**

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|-----------------------|---------------------------|-----------------------|----------------|
| Physical State | Solid | Odor | Mild soap |
| Appearance | Off-white granular powder | Odor Threshold | Not determined |
| Color | Off-white | | |

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|-------------------------------------|---------------------|-------------------------|
| pH | 12.4 (4% solution) | |
| Melting Point/Freezing Point | Phosphorous 12.45 p | |
| Boiling Point/Boiling Range | Not available | |
| Flash Point | Not applicable | |
| Evaporation Rate | Not applicable | |
| Flammability (Solid, Gas) | Not combustible | |
| Upper Flammability Limits | Not combustible | |
| Lower Flammability Limit | Not combustible | |
| Vapor Pressure | Not applicable | |
| Vapor Density | Not applicable | |
| Specific Gravity | Not determined | |
| Water Solubility | Completely soluble | |
| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
| Solubility in other solvents | Not determined | |
| Partition Coefficient | Not determined | |
| Auto-ignition Temperature | Not available | |
| Decomposition Temperature | Not determined | |
| Kinematic Viscosity | Not determined | |
| Dynamic Viscosity | Not determined | |
| Explosive Properties | Not determined | |
| Oxidizing Properties | Not determined | |

Density 52.5 lbs/ft³

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

Contact with acids will release heat.

Hazardous Polymerization Hazardous polymerization does not occur.

Conditions to Avoid

Contact with incompatible materials.

Incompatible Materials

Acids.

Hazardous Decomposition Products

None known based on information supplied.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information

Eye Contact Causes severe eye damage.

Skin Contact Causes severe skin burns.

Inhalation Avoid inhalation of dust.

Ingestion Harmful if swallowed.

Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|-----------------------------------|----------------------|-------------------------|-----------------|
| Sodium metasilicate 6834-92-0 | = 600 mg/kg (Rat) | - | - |
| Sodium carbonate 497-19-8 | = 4090 mg/kg (Rat) | - | - |
| Monosodium Phosphate 7558-80-7 | = 8290 mg/kg (Rat) | > 7940 mg/kg (Rabbit) | - |

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.

STOT - single exposure May cause respiratory irritation. May cause drowsiness or dizziness.

Numerical measures of toxicity

Not determined

Unknown Acute Toxicity

4% of the mixture consists of ingredient(s) of unknown toxicity.

12. ECOLOGICAL INFORMATION**Ecotoxicity**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

| Chemical Name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|----------------------------------|--------------------------------|--|----------------------------|-----------------------------------|
| Sodium metasilicate 6834-92-0 | | 210: 96 h Brachydanio rerio mg/L LC50 semi-static 210: 96 h Brachydanio rerio mg/L LC50 | | 216: 96 h Daphnia magna mg/L EC50 |
| 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 |

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 |

14. TRANSPORT INFORMATION**Note**

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

DOT

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|-----------------------------|---|
| UN/ID No | UN 3084 |
| Proper Shipping Name | Corrosive Solid Oxidizing N.O.S. (Disodium Trioxosilicate & Sodium Nitrite) |
| Hazard Class | 8 |
| Packing Group | III |

IATA

| | |
|-----------------------------|---|
| UN/ID No | UN 3084 |
| Proper Shipping Name | Corrosive Solid Oxidizing N.O.S. (Disodium Trioxosilicate & Sodium Nitrite) |
| Hazard Class | 8 |
| Packing Group | III |

IMDG

| | |
|-----------------------------|---|
| UN/ID No | UN 3084 |
| Proper Shipping Name | Corrosive Solid Oxidizing N.O.S. (Disodium Trioxosilicate & Sodium Nitrite) |
| Hazard Class | 8 |
| Packing Group | III |

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| 15. REGULATORY INFORMATION |
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International Inventories

Not determined

US Federal Regulations**SARA 313**

Not determined

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

Not determined

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|------------------------------|
| 16. OTHER INFORMATION |
|------------------------------|

NFPA**Health Hazards**

Not determined

Flammability

Not determined

Instability

Not determined

Special Hazards

Not determined

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