1. Product and company identification

Product name: Soft/Sour Max
UN/ID No.: UN1805 Phosphoric Acid Solution

Recommended use of the chemical:
Recommended use: Concentrated Soft and Softener for use in Final Rinse in industrial and commercial use.
Supplier: Butler Chemicals
3070 E. Ceena Ct.
Anaheim, CA. 92806

For Chemical Emergency: Spill, leak, Exposure or Incident
CALL INFOTRAC • 24-Hour Number
1(800) 535-5053 or +1-352-323-3500

Product type: Mixture

2. Hazards identification

Appearance: Opaque Pink
Physical State: Liquid
Odor: Downey Fragrance

Classification

<table>
<thead>
<tr>
<th>Hazard Class</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity – Oral</td>
<td>Category 4</td>
</tr>
<tr>
<td>Acute Toxicity – Inhalation (Dust/Mists)</td>
<td>Category 2</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Category 5</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 1B</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>Category 1</td>
</tr>
</tbody>
</table>

Signal Word: DANGER

Hazard Statement:
Causes serious eye damage. Causes severe irritation and burns to every area of contact.
Harmful if swallowed or inhaled.
Acute Toxicity, oral.
Harmful to aquatic life.

Precautionary Statements – Preventions:
Read label before use. Keep away from children.
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.

Precautionary Statements – Response:
Immediately call a poison control 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 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 Use only with adequate ventilation. Immediately call a poison center or doctor/physician  
HARMFUL IF SWALLOWED. Keep container closed. Immediately call a poison control center or doctor/physician, Rinse mouth. Do NOT induce vomiting.  
Keep in a cool, dry place. Keep out of reach of children. 

Precautionary Statements – Storage: Store locked up. Store in a well-ventilated place. Keep container tightly closed  
Precautionary Statements – Disposal: Dispose of contents/container in accordance with local, state, national, federal, regional and international regulations: 

3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>INGREDIENTS</th>
<th>CAS NUMBER</th>
<th>PERCENTAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orthophosphoric acid</td>
<td>7664-38-2</td>
<td>10-30</td>
</tr>
<tr>
<td>Ethanedionic acid</td>
<td>6153-56-6</td>
<td>10-30</td>
</tr>
<tr>
<td>Hydroxyethanoic acid</td>
<td>79-14-1</td>
<td>10-30</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 breathing has ceased apply artificial respiration using oxygen and suitable mechanical device such as a bag and a mask.  
Ingestion: Do NOT induce vomiting. If victim is conscious and alert, rinse mouth. Never give anything by mouth to an unconscious person. Get medical aid immediately.  
Note to physician Persons with pre-existing skin disorders or impaired respiratory or pulmonary function may be at increased risk to the effects of this substance. Treat symptomatically and supportively. 

5. Fire-fighting measures

Flash point: N/A  
Unusual Fire & explosion Containers exposed to heat from fires should be cooled with water fog to prevent container rupture.  
Extinguishing media: Water spray, Foam, Carbon Dioxide, Dry Chemical  
Auto ignition temp: No Data  
UEL No Data  
Special protective equipment for fire-fighters: Firefighters should wear a positive pressure NIOSH approved self-contained breathing apparatus. 

6. Accidental release measures

Personal precautions: Us proper personal protective equipment as indicated in Section 8  
Environmental precautions: Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information See Section 13, Disposal considerations, for additional information.  
Methods for cleaning up: Prevent further leakage or spillage if safe to do so.  
Methods and Materials for Containment and Clean Up: Observe all personal protective equipment recommendations describe in the SDS. Floors will become slippery. Avoid spill area. Contain spill. If leaked material can be pumped, store recovered material in appropriate containers, Clean up remaining
materials from spill with suitable absorbent. Dispose of saturated absorbent material or cleaning materials appropriately. Laws and regulations may apply to releases and disposal of this material. You will need to determine which laws and regulations are applicable.

**Personal precautions:**
Use proper personal protective equipment as indicated in Section 8

### 7. Handling and storage

**Precautions for Safe Handling:**
Use a well ventilated area. Avoid breathing in mists or vapor. Avoid skin and eye contact. Remove contaminated clothing and wash before reuse. Keep container tightly closed. Do not take internally. Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking, smoking or using toilet facilities.

**Storage**
Store in a cool, dry, well ventilated area, away from heat and out of direct sunlight. Store away from alkalis. Store protected from moisture. Do not store in metal containers. Keep away from food containers.

### 8. Exposure controls/personal protection

#### Occupational exposure limits

US. OSHA Tale Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric Acid (CAS 7664-38-2)</td>
<td>PEL</td>
<td>1 mg/m³</td>
</tr>
</tbody>
</table>

**US.ACGIH Threshold Limit Value**

<table>
<thead>
<tr>
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<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphoric Acid (CAS 7664-38-2)</td>
<td>STEL</td>
<td>3 mg/m³</td>
</tr>
<tr>
<td></td>
<td>TWA</td>
<td>1 mg/m³</td>
</tr>
</tbody>
</table>

**US.NIOSH: Pocket Guide to Chemical Hazards**

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
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</tr>
<tr>
<td></td>
<td>TWA</td>
<td>1 mg/m³</td>
</tr>
</tbody>
</table>

**Biological limit values:** No biological exposure limits noted for the ingredient(s)

**Appropriate engineering controls:** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

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

The following are recommendations for Personnel Protective Equipment (PPE). The employer/user of this product must perform a Hazard Assessment of the workplace according to OSHA regulations 29 CFR 1910.132 to determine the appropriate PPE for use while performing any task involving potential exposure to this product.

**Eye/face protection**
Wear safety glasses with side shields (or goggles) and a face shield

**Skin & Hand protection**
Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

**Other**
Wear appropriate chemical resistant clothing

**Respiratory protection**
In case of insufficient ventilation, wear suitable respiratory equipment

**Thermal hazards**
Wear appropriate thermal protective clothing, when necessary

**General hygiene**
Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminates.

**Engineering Controls:** Use local exhaust as needed.

**Exposure controls - Personal protective equipment**

**Eye protection:**
Tightly sealed goggles face shield or safety glasses with brow guards and side shields, etc. as may be appropriate for the exposure

**Respiratory protection:**
Avoid excessive inhalation of concentrated vapors. Apply local ventilation where appropriate.

**Skin protection:**
Avoid Skin contact. Use chemically resistant gloves as needed.

### 9. Physical and chemical properties
Physical state | Liquid
---|---
Flash Point | N/A
Color | Opaque Pink
pH | 1
Boiling/condensation point | N/A
Vapor pressure | N/A
Vapor Density | N/A
Specific gravity | N/A
Solubility in water | Soluble

10. Stability reactivity

| Stability | Stable under normal temperatures and pressures
| Hazardous polymerization | May occur
| Conditions to avoid | Incompatible materials, metals, excess heat, and exposure to moist air or water.
| Materials to avoid | Strong bases, ammonia, finely powdered metals, organic peroxides, caustics (e.g. ammonia, ammonium hydroxide, calcium hydroxide, potassium hydroxide, sodium hydroxide), cyanides (e.g. Potassium cyanide, sodium cyanide), fluorides (inorganic, e.g. ammonium fluoride, calcium fluoride, cesium fluoride), halogenated organics (e.g. dibromothene, hexachlorobenzene, methyl chloride, trichloroethylene), mercaptans and other organic sulfides (e.g. butyl mercaptan, carbon disulfide, methanethiol), nitrates, sodium tetrahydroborate, sulfites, mineral acids, moisture, bleaching powder, aldehydes, strong alkalies, chlorides, nickel carbonate.
| Hazardous decomposition Products Stability | Phosphine, oxides of phosphorus, irritating and toxic fume and gases Stable under normal temperatures and pressures

11. Toxicological information

**Acute toxicity:** Not available

No components 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, NTP, OSHA

Inhalation: May cause irritation to the respiratory system. Prolonged inhalation may be harmful
Skin: May be harmful if absorbed through skin. Causes severe skin burns.
Eyes: Causes severe eye burns, causes serious eye damage
Ingestion: Toxic if swallowed. Do not ingest.

Chronic Effects of Long-term Exposure: No data available
Carcinogenicity: No component of this product at levels greater than 0.1% is identified as carcinogenic by IARC, ACGIH, or OSHA.

12. Ecological information

| Ecotoxicity | No data available
| Persistence and degradability | No data is available on the degradability of this product
| Bioaccumulative potential | No data available
| Mobility in soil | No data available
| Other adverse effects | 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>Hazard Class</th>
<th>PG*</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. DOT Classification</td>
<td>UN1805</td>
<td>Phosphoric Acid solution</td>
<td>8</td>
<td>II</td>
</tr>
</tbody>
</table>

*PG: Packing group

15. Regulatory information

California State Regulations:

U.S. California Proposition 65
California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

California Right to Know Act regulations (SB 258)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No,</th>
<th>Function</th>
<th>List(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>N,N-Di (2-tallow amidoethyl)-N-((2-hydroxethyl)-N-methyl ammonium methyl sulfate</td>
<td>68153-35-5</td>
<td>Fabric softener</td>
<td>N/A</td>
</tr>
<tr>
<td>Orthophosphoric acid</td>
<td>7664-38-2</td>
<td>Acidity source</td>
<td>20</td>
</tr>
<tr>
<td>Ethanedionic acid</td>
<td>6153-56-6</td>
<td>Acidity source</td>
<td>20</td>
</tr>
<tr>
<td>Hydroxyethanoic acid</td>
<td>79-14-1</td>
<td>Acidity source</td>
<td>20</td>
</tr>
</tbody>
</table>

Fragrance(s)

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No,</th>
<th>Concentration</th>
<th>List(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hexanedioic acid, bis(2-ethylhexyl) ester</td>
<td>103-23-1</td>
<td>0.50</td>
<td>17</td>
</tr>
<tr>
<td>Butylphenyl Methylpropional</td>
<td>80-54-6</td>
<td>5.00</td>
<td>2, (FRA)</td>
</tr>
<tr>
<td>Poly (oxy-1,2-ethanediyl), &amp;a;-(4-nonylphenyl)-,omega;-.hydroxy, branched</td>
<td>127087-87-0</td>
<td>58.07</td>
<td>6,22</td>
</tr>
<tr>
<td>Amy Cinnamal</td>
<td>122-40-7</td>
<td>3.700</td>
<td>(FRA)</td>
</tr>
<tr>
<td>Benzy1 Benzoate</td>
<td>120-51-4</td>
<td>1.45</td>
<td>(FRA)</td>
</tr>
<tr>
<td>Citronellol</td>
<td>106-22-9</td>
<td>0.8536</td>
<td>(FRA)</td>
</tr>
<tr>
<td>Coumarin</td>
<td>91-64-5</td>
<td>0.30</td>
<td>(FRA)</td>
</tr>
<tr>
<td>Geraniol</td>
<td>106-24-1</td>
<td>0.9240</td>
<td>(FRA)</td>
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<tr>
<td>Linalool</td>
<td>78-70-6</td>
<td>0.500</td>
<td>(FRA)</td>
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</tbody>
</table>

16. Other information

HMIS

<table>
<thead>
<tr>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Reactivity</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>0</td>
<td>0</td>
<td>B</td>
</tr>
</tbody>
</table>

Issue Date: 05-28-20
Print Date:
Prepared by: Technical Department

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 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