SAFETY DATA SHEET

SECTION 1: IDENTIFICATION

Product Identifier
Product Name: BUTLER CHEMICALS BAKE CLEAN

Recommended Use of the Chemical and Restrictions on Use
Recommended Use: Mechanical Dishwashing Compound

Details of the Supplier of the Safety Data Sheet
Supplier Address: Butler Chemicals
3070 Ceena Court
Anaheim, Ca. 92806

Emergency Telephone Number
Company Phone Number: 714-630-0712

Emergency Telephone: CHEMTREC: 1-800-424-9300

SECTION 2: HAZARDS IDENTIFICATION

Appearance: Orange granular powder
Physical State: Powder
Odor: Mild odor

Classification
<table>
<thead>
<tr>
<th>Skin corrosion/irritation</th>
<th>Category 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 2</td>
</tr>
</tbody>
</table>

Signal Word
Warning

Hazard Statements
Causes skin irritation
Causes severe eye irritation

Precautionary Statements – Prevention
Wash face, hands and any exposed skin thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements – Response
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
Take off contaminated clothing and wash before reuse

Hazards Not Otherwise Classified (HNOC)
May be harmful if swallowed

Other Information
Not Applicable
SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium metasilicate</td>
<td>6834-92-0</td>
<td>Not identified*</td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td>497-19-8</td>
<td>Not identified*</td>
</tr>
</tbody>
</table>

*The specific percentages are not identified due to “Trade Secret” status. In emergency situation, further information may be obtained by calling the emergency information number listed above.
Reference 29 CFR 1910.1200

SECTION 4: FIRST AID MEASURES

First Aid Measures

Inhalation
Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Eye Contact
Immediately flush with plenty of water. After initial flushing, remove contact lenses and continue flushing for at least 15 minutes. If eye irritation persists: Get medical advice/attention.

Ingestion
Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin Contact
Wash with plenty of water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms
Eyes may have symptoms of redness, itching, irritation and watering from overexposure. Prolonged or repeated skin contact may cause irritation. Nausea.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians
Treat symptomatically. Medical conditions aggravated by exposure: Individuals with chronic eye and skin disorders.

SECTION 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
Known none.
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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions: Use personal protective equipment as required.

Environmental Precautions: See Section 12 for additional ecological information.

Methods and Material for Containment and Cleaning Up

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

Methods for Cleaning Up: Sweep up small spills. Recoup useable material from large spills. Sweep up contaminated material and place into containers for disposal. Flush residue to a sanitary sewer.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling: Handle in accordance with good industrial hygiene and safety practice. Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands, and any exposed skin thoroughly after handling. Use personal protection recommended in Section 8. Keep material dry.

Conditions for Safe Storage, Including and Incompatibilities

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

Incompatible Materials: Strong acids.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium Tripoly Phosphate, 7758-29-4</td>
<td>15 mg/m³</td>
<td>15 mg/m³</td>
<td>-</td>
</tr>
<tr>
<td>Sodium metasilicate, 6834-92-0</td>
<td>2 mg/m³</td>
<td>2 mg/m³</td>
<td>-</td>
</tr>
</tbody>
</table>

Appropriate Engineering Controls

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

Individual Protections Measures, such as Personal Protective Equipment

Eye/Face Protection: Wear approved safety goggles.
Skin and Body Protection: No protective equipment is needed under normal use conditions.

Respiratory Protection: No protective equipment is needed under normal use conditions.

General Hygiene Considerations: Handle in accordance with good industrial hygiene/safety practices.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**Information and Basic Physical and Chemical Properties**

**Physical State:** Powder  
**Odor:** Mild odor  
**Appearance:** Orange Granular Powder  
**Color:** Orange

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH – 1% solution</td>
<td>10.8 to 11.4</td>
<td>Melting/freezing point</td>
<td>Unknown</td>
</tr>
<tr>
<td>Boiling point</td>
<td>Not applicable</td>
<td>Flash point</td>
<td>Non-flammable</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not applicable</td>
<td>Flammability</td>
<td>Not determined</td>
</tr>
<tr>
<td>Flammability limits/ air</td>
<td>Not determined</td>
<td>Vapor pressure</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not applicable</td>
<td>Specific gravity</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Water solubility</td>
<td>30%</td>
<td>Solubility in other solvents</td>
<td>Not determined</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>Not determined</td>
<td>Auto-ignition temp</td>
<td>Not determined</td>
</tr>
<tr>
<td>Decomposition temp</td>
<td>Not determined</td>
<td>Kinematic viscosity</td>
<td>Not determined</td>
</tr>
<tr>
<td>Dynamic Viscosity</td>
<td>Not determined</td>
<td>Explosive properties</td>
<td>Not determined</td>
</tr>
<tr>
<td>Oxidizing properties</td>
<td>Not determined</td>
<td>Bulk Density</td>
<td>1.09 gm/cc</td>
</tr>
</tbody>
</table>

### SECTION 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.

**Conditions to Avoid**  
Keep out of reach of children.

**Incompatible Materials**  
Strong acids.

**Hazardous Decomposition Products**  
None known

### SECTION 11: TOXICOLOGICAL INFORMATION

**Information on Likely Routes of Exposure**

**Product Information**

**Inhalation**  
Avoid inhalation of dust.
Eye Contact  Causes serious eye irritation.

Skin Contact  Causes skin irritation.

Ingestion  May be harmful if swallowed.

Component Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trade Secret*</td>
<td>= 3/g/kg (Rat)</td>
<td>&gt; 10 g/kg (Rabbit)</td>
<td>&gt; 42 g/m³ (Rat) 1 h</td>
</tr>
<tr>
<td>Sodium Tripolyphosphate 7758-29-4</td>
<td>= 3100 mg/kg (Rat)</td>
<td>&gt; 7940 mg/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>Sodium metasilicate 6834-92-0</td>
<td>= 600 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Sodium carbonate 497-19-8</td>
<td>= 4090 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

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  Not classifiable as a human carcinogen.

Numerical Measures of Toxicity-Product

Not determined

SECTION 12: ECOLOGICAL INFORMATION

Not determined.

SECTION 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.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Hazardous Waste Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium carbonate, 497-19-8</td>
<td>Corrosive</td>
</tr>
</tbody>
</table>

SECTION 14: TRANSPORT INFORMATION

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

DOT  Not regulated

IATA  Not regulated

IMDG  Not regulated
SECTION 15: REGULATORY INFORMATION

International Inventories

Legend:

TCSA – United States Toxic Substances Act Section 8(b) inventory
DSL/NDSL – Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS – European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS – Japan Existing and New Chemical Substances
IECSC – China Inventory of Existing Chemical Substances
KECL – Korean Existing and Evaluated Chemical Substances
PICCS – Philippines Inventory of Chemicals and Chemical Substances

US Federal Regulations

SARA 311/312 Hazard Categories

US State Regulations

Calif. Prop. 65 Warning: This product may contain a trace amount of one or more of the chemicals on the California list of known carcinogens or substances known to cause birth defects or other reproductive harm. These are not added to the product but occur naturally in the raw materials or processing equipment.

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

Sodium Tripolyphosphate
7758-29-4 New Jersey, Massachusetts, Pennsylvania

SECTION 16: OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Instability</th>
<th>Special Hazards</th>
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</thead>
<tbody>
<tr>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazards</th>
<th>Flammability</th>
<th>Physical Hazards</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
<td>Not determined</td>
</tr>
</tbody>
</table>

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of publication. The information 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