1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Name  Butler Vision

Other means of identification

Product Code(s)  7864
Synonyms  None

Recommended use of the chemical and restrictions on use

Recommended Use  Laundry Detergent
Uses advised against  No information available

Supplier's details

Supplier Address  Butler Chemicals
3070 E Ceena Ct.
Anaheim, CA 92806
714-630-7625

Emergency telephone number

Emergency Telephone Number  1-866-303-6943

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous according to the OSHA Hazard Communication Standard 2012 (29 CFR 1910.1200)

<table>
<thead>
<tr>
<th>Hazard Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Oral Toxicity</td>
</tr>
<tr>
<td>Skin Corrosion/Irritation</td>
</tr>
<tr>
<td>Serious Eye Damage/Eye Irritation</td>
</tr>
<tr>
<td>Respiratory Sensitization</td>
</tr>
</tbody>
</table>

GHS Label elements, including precautionary statements

Emergency Overview

Signal Word  Danger
Hazard Statements
• Harmful if swallowed
• Causes severe skin burns and eye damage
• May cause allergy or asthma symptoms or breathing difficulty if inhaled
• May cause respiratory irritation
Appearance  Light blue/green  Physical State  Solid  Odor  Pleasant

Precautionary Statements

Prevention
• Wash face, hands and any exposed skin thoroughly after handling
• Do not eat, drink or smoke when using this product
• Use personal protective equipment as required
• Do not breathe dust/fume/gas/mist/vapors/spray

General Advice
• Immediately call a POISON CENTER or doctor/physician

Eyes
• 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.

Skin
• IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
• Wash contaminated clothing before reuse

Inhalation
• IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
• If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician

Ingestion
• IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
• Rinse mouth
• Do NOT induce vomiting

Storage
• Store locked up
• Store in a well-ventilated place. Keep container tightly closed

Disposal
• Dispose of contents/container to an approved waste disposal plant

Hazard Not Otherwise Classified (HNOC)

Not applicable

Other information
Harmful to aquatic life with long lasting effects

No information available.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No</th>
<th>Weight %</th>
<th>Trade secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium percarbonate</td>
<td>15630-89-4</td>
<td>10-30</td>
<td>*</td>
</tr>
<tr>
<td>Benzenesulfonic acid, C10-16-alkyl derivatives, sodium salts</td>
<td>68081-81-2</td>
<td>10-30</td>
<td>*</td>
</tr>
<tr>
<td>Sodium metasilicate</td>
<td>6834-92-0</td>
<td>10-30</td>
<td>*</td>
</tr>
<tr>
<td>Tetrasodium ethylenediamine tetraacetate</td>
<td>60-00-4</td>
<td>10-30</td>
<td>*</td>
</tr>
</tbody>
</table>
4. FIRST AID MEASURES

Description of necessary first-aid measures

General Advice
Immediate medical attention is required.

Eye Contact
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice.

Skin Contact
Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. Seek immediate medical attention/advice.

Inhalation
Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

Ingestion
Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

Most important symptoms/effects, acute and delayed

Most Important Symptoms/Effects
No information available.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician
Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media
Water. Carbon dioxide (CO₂). Dry chemical.

Unsuitable Extinguishing Media
None

Specific Hazards Arising from the Chemical
May burn if exposed to high temperature.

Explosion Data
Sensitivity to Mechanical Impact None
Sensitivity to Static Discharge 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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions
Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Use personal protective equipment. If spilled, take caution, as material can cause surfaces to become very slippery.
Environmental Precautions

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 or sanitary sewer system.

Methods and materials for containment and cleaning up

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

Methods for Cleaning Up
Collect and reuse if possible. Following product recovery, flush area with water.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling
Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage
Keep container tightly closed. Keep container closed when not in use. Keep out of the reach of children.

Incompatible Products
None known based on information supplied.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

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>Subtilisins (proteolytic enzymes) 9014-01-1</td>
<td>Ceiling: 0.00006 mg/m³ as crystalline active enzyme</td>
<td>(vented) STEL: 0.00006 mg/m³ 60 min</td>
<td>STEL: 0.00006 mg/m³ 60 min</td>
</tr>
</tbody>
</table>

Appropriate engineering controls

Engineering Measures
Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/Face Protection
Tightly fitting safety goggles.

Skin and Body Protection
Rubber gloves.

Respiratory Protection
If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.

Hygiene Measures
Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks/ - Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State</td>
<td>Solid</td>
<td>Appearance</td>
</tr>
<tr>
<td>Odor</td>
<td>Pleasant</td>
<td>Odor Threshold</td>
</tr>
<tr>
<td>pH</td>
<td>9.5 - 10.5</td>
<td></td>
</tr>
</tbody>
</table>
**Melting Point/Range**  54-60 °C / 129.2-140 °F  None known

**Boiling Point/Boiling Range**  No data available  None known

**Flash Point**  None  None known

**Evaporation rate**  No data available  None known

**Flammability (solid, gas)**  No data available  None known

**Flammability Limits in Air**
- upper flammability limit  No data available
- lower flammability limit  No data available

**Vapor Pressure**  No data available  None known

**Vapor Density**  No data available  None known

**Relative Density**  No data available  None known

**Specific Gravity**  No data available  None known

**Water Solubility**  No data available  None known

**Solubility in other solvents**  No data available  None known

**Partition coefficient: n-octanol/water**

**Autoignition Temperature**  No data available  None known

**Decomposition Temperature**  No data available  None known

**Viscosity**  No data available  None known

**Flammable Properties**  Not flammable

**Explosive Properties**  Not explosive

**Oxidizing Properties**  Mildly oxidizing

**Other information**

**VOC Content (%)**  0%

---

### 10. STABILITY AND REACTIVITY

**Reactivity**

No data available.

**Chemical stability**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

None under normal processing.

**Conditions to avoid**

None known based on information supplied.

**Incompatible materials**

None known based on information supplied.

**Hazardous decomposition products**

None known based on information supplied.

---

### 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

**Product Information**

**Inhalation**

May cause irritation of respiratory tract. May cause allergy or asthma symptoms or breathing difficulties if inhaled.

**Eye Contact**

Causes serious eye damage.
Skin Contact
Causes severe skin burns.
Ingestion
Harmful if swallowed. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subtilisins (proteolytic enzymes)</td>
<td>= 3700 mg/kg (Rat)</td>
<td></td>
<td>-</td>
</tr>
</tbody>
</table>

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms
No information available.

Delayed and immediate effects and also chronic effects from short and long term exposure

Sensitization
No information available.
Mutagenic Effects
No information available.
Carcinogenicity
Contains no carcinogenic ingredients.

Reproductive Toxicity
No information available.
STOT - single exposure
No information available.
STOT - repeated exposure
No information available.
Aspiration Hazard
No information available.

Numerical measures of toxicity - Product
The following values are calculated based on chapter 3.1 of the GHS document:
LD50 Oral 611 mg/kg; Acute toxicity estimate

12. ECOLOGICAL INFORMATION

Ecotoxicity
Harmful to aquatic life with long lasting effects.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Toxicity to Algae</th>
<th>Toxicity to Fish</th>
<th>Toxicity to Microorganisms</th>
<th>Daphnia Magna (Water Flea)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium percarbonate</td>
<td>EC50 240 h: = 70 mg/L (Chlorella emersonii)</td>
<td>LC50 96 h: = 70.7 mg/L static (Pimephales promelas)</td>
<td>EC50 48 h: = 4.9 mg/L (Daphnia pulex)</td>
<td></td>
</tr>
<tr>
<td>Sodium metasilicate</td>
<td>LC50 96 h: = 210 mg/L (Brachydanio rerio)</td>
<td>LC50 96 h: = 210 mg/L semi-static (Brachydanio rerio)</td>
<td>EC50 96 h: = 216 mg/L (Daphnia magna)</td>
<td></td>
</tr>
</tbody>
</table>

Persistence and Degradability
No information available.
Bioaccumulation
No information available.
Other Adverse Effects
No information available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods
Dispose of in accordance with federal, state, and local regulations.
Contaminated Packaging
Dispose of in accordance with federal, state, and local regulations.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>California Hazardous Waste</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium percarbonate</td>
<td>Ignitable</td>
</tr>
</tbody>
</table>

14. TRANSPORT INFORMATION

DOT
Not regulated

15. REGULATORY INFORMATION

International Inventories
TSCA
Complies
Legend
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Health Hazard</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Chronic Health Hazard</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Fire Hazard</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Sudden Release of Pressure Hazard</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td></td>
<td>0</td>
</tr>
</tbody>
</table>

Clean Water Act
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

U.S. State Regulations

California Proposition 65
This product contains no Proposition 65 chemicals.

U.S. State Right-to-Know Regulations
None.

U.S. EPA Label Information
EPA Pesticide Registration Number Not applicable

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA</th>
<th>Health Hazard</th>
<th>Flammability</th>
<th>Instability</th>
<th>Physical and Chemical Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2</td>
<td>0</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HMIS</th>
<th>Health Hazard</th>
<th>Flammability</th>
<th>Physical Hazard</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>A</td>
</tr>
</tbody>
</table>

Prepared By
Sunburst Chemicals
220 W 86th St
Bloomington, MN 55420
TEL: 952-884-3144

Issuing Date
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Revision Date
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Revision Note
New Issue

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End of Safety Data Sheet