Safety Data Sheet

SECTION 1: Identification

1.1 Product identifier
Product name: UltraStarch Laundry Starch
Product number: 295
Brand: Crown Chemical Inc.

1.2 Other means of identification
UltraStarch Laundry Starch

1.3 Recommended use of the chemical and restrictions on use
Laundry starch and sizing

1.4 Supplier’s details
Name: Crown Chemical, Inc.
Address: 4701 W. 136th. St.
Crestwood, Illinois 60418
U.S.A.
Telephone: 708-371-6990
Fax: 708-371-6992
email: info@crown-chem.com

1.5 Emergency phone number(s)
800-535-5053

SECTION 2: Hazard identification

General hazard statement
Non-Hazardous

2.1 Classification of the substance or mixture

GHS classification in accordance with: (US) OSHA (29 CFR 1910.1200)
Not a hazardous substance or mixture.

2.2 GHS label elements, including precautionary statements
Not a hazardous substance or mixture.

2.3 Other hazards which do not result in classification
None identified

SECTION 3: Composition/information on ingredients

3.2 Mixtures
Contains No Hazardous Ingredients

Trade secret statement (OSHA 1910.1200(i))
The specific chemical identities and/or actual concentrations for one or more components are being withheld as trade secrets under the US regulation 29 CFR 1910.1200(i).
SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice  Wear protective rubber gloves as needed to prevent prolonged skin contact when using this product. Mix ONLY with water.

If inhaled  No specific response required.

In case of skin contact  Rinse with water. Wash contaminated clothing and shoes before reuse.

In case of eye contact  Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a Poison Control Center or doctor for treatment advice if irritation persists.

If swallowed  Rinse out mouth. Do NOT induce vomiting. Call a Poison Control Center or doctor if you feel unwell.

4.2 Most important symptoms/effects, acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

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

Non-hazardous product. No such indications.

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Not Applicable

5.2 Specific hazards arising from the chemical

None known

5.3 Special protective actions for fire-fighters

Not Applicable

Further information

Not Applicable

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Initiate spill containment procedures immediately using containment or absorption methods. Keep people away from area. Put on appropriate protective equipment (see Section 8).

6.2 Environmental precautions

See Section 12 for ecological Information.

6.3 Methods and materials for containment and cleaning up

Do not allow spilled material to enter sewers, waterways or soil. Neutralize with water. Mop, sweep or otherwise collect spilled material and hold for disposal. Consult local government authorities for allowable disposal methods. After removal, rinse area completely with water to remove residue.

Reference to other sections

For disposal see section 13.
SECTION 7: Handling and storage

7.1 Precautions for safe handling
Avoid contact with eyes, skin or clothing.

7.2 Conditions for safe storage, including any incompatibilities
Keep out of reach of children. Keep containers tightly closed when not in use. Store in a well ventilated area between 60-100°F (15- 38°C). Avoid ignition sources.

Specific end use(s)
Apart from the uses mentioned in section 1 no other specific uses are stipulated.

SECTION 8: Exposure controls/personal protection

8.2 Appropriate engineering controls
Use with adequate ventilation to maintain exposure limits below listed thresholds.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection
Normally not required. Wear safety glasses if necessary to prevent contact with concentrated product.

Skin protection
Wear protective rubber gloves as needed to prevent prolonged skin contact when using this product.

Body protection
Wash thoroughly after use and before eating, smoking, or using the bathroom. Avoid contamination of clothing or shoes, and wash any contaminated items before reuse.

Respiratory protection
Not normally required.

Thermal hazards
No data available.

Environmental exposure controls
No data available.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance/form (physical state, color, etc.)</td>
<td>White Liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>Characteristic</td>
</tr>
<tr>
<td>Odor threshold</td>
<td>No data available.</td>
</tr>
<tr>
<td>pH</td>
<td>&lt;8.0 (1% solution)</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>No data available.</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>No data available.</td>
</tr>
<tr>
<td>Flash point</td>
<td>Non-Combustible</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>&lt;1.0</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available.</td>
</tr>
<tr>
<td>Upper/lower flammability limits</td>
<td>No data available.</td>
</tr>
<tr>
<td>Upper/lower explosive limits</td>
<td>No data available.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>No data available.</td>
</tr>
<tr>
<td>Vapor density</td>
<td>No data available.</td>
</tr>
<tr>
<td>Relative density</td>
<td>&gt;1.0</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>100% in 120°F Water</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>No data available.</td>
</tr>
</tbody>
</table>
Safety Data Sheet
UltraStarch Laundry Starch

Auto-ignition temperature: No data available.
Decomposition temperature: No data available.
Viscosity: >1.0
Explosive properties: No data available.
Oxidizing properties: No data available.

Other safety information
No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity
Product is generally non-reactive. As a precaution, NEVER mix this product with other chemicals. Mix this product ONLY with water.

10.2 Chemical stability
Product is stable under normal storage and usage conditions.

10.3 Possibility of hazardous reactions
No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid
None known.

10.5 Incompatible materials
Chlorine and other halogens, strong acids or alkalis.

10.6 Hazardous decomposition products
None are expected under normal storage and usage conditions.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity
Likely Routes of Exposure: Eyes, Skin

Skin corrosion/irritation
Prolonged skin contact with concentrated product may cause mild irritation or redness.

Serious eye damage/irritation
Eye contact may cause mild irritation or redness.

Respiratory or skin sensitization
Ingestion may cause stomach irritation or nausea.

Germ cell mutagenicity
Based on available data, classification data are not met

Carcinogenicity
This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification
IARC: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by IARC.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity**
Based on available data, classification data are not met

**STOT-single exposure**
Based on available data, classification data are not met

**STOT-repeated exposure**
Based on available data, classification data are not met

**Aspiration hazard**
Based on available data, classification data are not met

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**SECTION 12: Ecological information**

**Toxicity**
No specific data available for this mixture.

**Persistence and degradability**
No data available on product

**Bioaccumulative potential**
No data available on product

**Mobility in soil**
No data available on product.

**Results of PBT and vPvB assessment**
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Other adverse effects**
No known significant effects or critical hazards.

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**SECTION 13: Disposal considerations**

**Disposal of the product**
Avoid disposal of this product. Use complete contents according to directions. Do not release contents into a municipal sewer except through normal dilution and usage. Do not release contents onto the ground or into any body of water. Dispose of empty container by offering for recycling if available, or into a landfill. Follow all applicable state and local regulations.

**Disposal of contaminated packaging**
Dispose of as unused product.

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**SECTION 14: Transport information**

**DOT (US)**
Non-regulated liquid

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**SECTION 15: Regulatory information**

15.1 **Safety, health and environmental regulations specific for the product in question**

**SARA 302 Components**
No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.
SARA 313 Components
This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards
No SARA hazards.

Massachusetts Right To Know Components
No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components
No components are subject to the Pennsylvania Right to Know Act.

New Jersey Right To Know Components
No components are subject to the New Jersey Right to Know Act.

California Prop. 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

SECTION 16: Other information

The information herein is believed to be correct, but is given without warranty or guaranty of any kind, express or implied. The hazards provided in this Safety Data Sheet apply to the product in its concentrated form, and may differ significantly after dilution.

16.1 Further information/disclaimer
DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Crown Chemical, Inc. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Crown Chemical, Inc. has been advised of the possibility of such damages.