## 1 Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

- **Trade name:** Brisk® Advanced Laundry Detergent ST-0157, ST-0145, ST-0163, ST-1040, ST-1041, ST-1042
- **Article number:** LL10

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

No further relevant information available.

### 1.3 Details of the supplier of the Safety Data Sheet

- **Manufacturer/Supplier:**
  Stearns Packaging Corporation
  4200 Sycamore Avenue (53714)
  PO Box 3216
  Madison, WI 53704-0216
  Phone: 800-655-5008
  Email: stearns@stearnspkg.com
  Website: www.stearnspkg.com

- **1.4 Emergency telephone number:**
  ChemTel Inc.
  (800)255-3924, +1 (813)248-0585

### 1.3 Details of the supplier of the Safety Data Sheet

- **Product dilution information:** 4 oz. (118.28 mL) per average washload.

## 2 Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

<table>
<thead>
<tr>
<th>Product as SOLD</th>
<th>Product at USE DILUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>![GHS07]</td>
<td>Not classified.</td>
</tr>
<tr>
<td>Skin Irrit. 2</td>
<td>H315</td>
</tr>
<tr>
<td>Eye Irrit. 2A</td>
<td>H319</td>
</tr>
</tbody>
</table>

#### Classification according to Directive 67/548/EEC or Directive 1999/45/EC

- ![Xi; Irritant] R36/38: Irritating to eyes and skin. Not classified.

#### Information concerning particular hazards for human and environment:

- The product has to be labelled due to the calculation procedure of the “General Classification guideline for preparations of the EU” in the latest valid version.
- The mixture does not meet the criteria for classification.

#### Classification system:

- The classification is according to the latest editions of the EU-lists and extended by company and literature data.
- The classification is in accordance with the latest editions of international substances lists and is supplemented by information from technical literature and by information provided by the company.
### 2.2 Label elements

<table>
<thead>
<tr>
<th></th>
<th>Product as SOLD</th>
<th>Product at USE DILUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Labeling according to Regulation (EC) No 1272/2008</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H227: Combustible Liquid. (General GHS and USA only) The following Hazard Statements are applicable only to the EU regulations and not the US GHS regulation: H412. The product is classified and labeled according to the CLP regulation.</td>
<td></td>
<td>The mixture does not meet the criteria for classification.</td>
</tr>
<tr>
<td><strong>Hazard pictograms</strong></td>
<td></td>
<td>None</td>
</tr>
<tr>
<td>GHS07</td>
<td></td>
<td>None</td>
</tr>
<tr>
<td><strong>Signal word Warning</strong></td>
<td></td>
<td>None</td>
</tr>
<tr>
<td><strong>Hazard statements</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>H315 Causes skin irritation. H319 Causes serious eye irritation.</td>
<td></td>
<td>Avoid contact with eyes.</td>
</tr>
<tr>
<td><strong>Precautionary statements</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>P280  Wear protective gloves/eye protection. P264  Wash hands thoroughly after handling. P305+P351+P338+P337+P313 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 attention.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>P303+P361+P353+P363 IF ON SKIN:  Take off immediately all contaminated clothing. Wash with plenty of soap and water. Wash contaminated clothing before reuse. P332+P313 If skin irritation occurs: Get medical advice/attention.</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Additional information:</strong></td>
<td></td>
<td>Contains 2,2',2&quot;-(hexahydro-1,3,5-triazine-1,3,5-triyl)triethanol. May produce an allergic reaction.</td>
</tr>
</tbody>
</table>
3 Composition/information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

<table>
<thead>
<tr>
<th>Dangerous components:</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CAS: 127087-87-0</td>
<td>Nonyl phenol ethoxylate</td>
<td>&lt;10%</td>
</tr>
<tr>
<td></td>
<td>Xi R36</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Eye Irrit. 2B, H320</td>
<td></td>
</tr>
<tr>
<td>CAS: 68081-81-2</td>
<td>Dodecyl benzyl sulfonate</td>
<td>&lt;3%</td>
</tr>
<tr>
<td></td>
<td>Xi R36/38</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Skin Irrit. 2, H315; Eye Irrit. 2A, H319</td>
<td></td>
</tr>
<tr>
<td>CAS: 10213-79-3</td>
<td>Sodium metasilicate, pentahydrate</td>
<td>&lt;1%</td>
</tr>
<tr>
<td></td>
<td>Xi R41</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Skin Corr. 1C, H314, Eye Dam. 1, H318</td>
<td></td>
</tr>
<tr>
<td></td>
<td>STOT-SE 3, H335</td>
<td></td>
</tr>
<tr>
<td>CAS: 9003-01-4</td>
<td>Poly (acrylic acid) dispersant, low molecular weight</td>
<td>&lt;3%</td>
</tr>
</tbody>
</table>

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First-aid measures

- **4.1 Description of first aid measures**

<table>
<thead>
<tr>
<th>Product as SOLD</th>
<th>Product at USE DILUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General information:</strong></td>
<td>No special measures required.</td>
</tr>
<tr>
<td><strong>After inhalation:</strong></td>
<td>Supply fresh air; consult doctor in case of complaints.</td>
</tr>
<tr>
<td><strong>After skin contact:</strong></td>
<td>Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.</td>
</tr>
<tr>
<td><strong>After eye contact:</strong></td>
<td>Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist consult a doctor.</td>
</tr>
<tr>
<td><strong>After swallowing:</strong></td>
<td>Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately.</td>
</tr>
</tbody>
</table>

- **4.2 Most important symptoms and effects both acute and delayed** Cramp, Nausea, Thirst

- **Hazards** No further relevant information available. No known effects.

- **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available. Treat symptomatically.
## 5 Fire-fighting measures

- **5.1 Extinguishing media**
  - **Suitable extinguishing agents:** CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
  - **For safety reasons unsuitable extinguishing agents:** None.
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.

### Additional information
- **Advice for firefighters**
  - **Protective equipment:** Wear self-contained respiratory protective device. Wear fully protective suit.

### Additional information
- **No further relevant information available.**

## 6 Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

<table>
<thead>
<tr>
<th>Product as SOLD</th>
<th>Product at USE DILUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wear protective equipment. Keep unprotected persons away.</td>
<td>Use personal protective equipment as required.</td>
</tr>
<tr>
<td>Ensure adequate ventilation</td>
<td></td>
</tr>
<tr>
<td>Keep away from ignition sources.</td>
<td></td>
</tr>
</tbody>
</table>

### Additional information
- **Environmental precautions:**
  - Dilute with plenty of water.
  - Do not allow to enter sewers/ surface or ground water.
  - Avoid contact of large amounts of spilled material and run off with soil and surface waterways.

### Additional information
- **Methods and material for containment and cleaning up:**
  - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  - Ensure adequate ventilation.
  - Large Spills: Flush area with water. Prevent entry into waterways.
  - Small Spills: Wipe up with absorbent material.

### Additional information
- **Reference to other sections**
  - See Section 7 for information on safe handling.
  - See Section 8 for information on personal protection equipment.
  - See Section 13 for disposal information.

## 7 Handling and storage

### 7.1 Precautions for safe handling

<table>
<thead>
<tr>
<th>Product as SOLD</th>
<th>Product at USE DILUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ensure good ventilation/exhaustion at the workplace.</td>
<td>Wash hands thoroughly after handling.</td>
</tr>
<tr>
<td>Prevent formation of aerosols.</td>
<td></td>
</tr>
</tbody>
</table>

### Additional information
- **Information about fire - and explosion protection:**
  - No special measures required.

### Additional information
- **No precautions necessary.**

### Additional information
- **(Contd. from page 3)**
7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

<table>
<thead>
<tr>
<th>Product as SOLD</th>
<th>Product at USE DILUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>No special requirements.</td>
<td>No special requirements.</td>
</tr>
</tbody>
</table>

Information about storage in one common storage facility:

Store away from foodstuffs. Store away from foodstuffs.

Further information about storage conditions:

Keep container tightly sealed. No storage precautions necessary.

7.3 Specific end use(s)

No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

DNELs No further relevant information available.

PNECs No further relevant information available.

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

Respiratory protection:

Not required under normal conditions of use.

Not required under normal conditions of use.

Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

No protective equipment is needed under normal conditions.
### Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

No protective equipment is needed under normal conditions.

### Penetration time of glove material

The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed.

No protective equipment is needed under normal conditions.

### For the permanent contact gloves made of the following materials are suitable:

- Nitrile rubber, NBR
- Neoprene gloves
- Butyl rubber, BR
- Natural rubber, NR

No protective equipment is needed under normal conditions.

### Eye protection:

- Safety glasses

No protective equipment is needed under normal conditions.

### Body protection:

- Not required under normal conditions of use.
- Protection may be required for spills.

No protective equipment is needed under normal conditions.

### Limitation and supervision of exposure into the environment

No further relevant information available.

### Risk management measures

See Section 7 for additional information.

No further relevant information available.

### 9 Physical and chemical properties

<table>
<thead>
<tr>
<th></th>
<th>Product as SOLD</th>
<th>Product at USE DILUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>9.1 Information on basic physical and chemical properties</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>General Information</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Appearance:</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Form:</td>
<td>Liquid</td>
<td>Liquid</td>
</tr>
<tr>
<td>Color:</td>
<td>Blue</td>
<td>Colorless</td>
</tr>
<tr>
<td>Odor:</td>
<td>Sweet fruity</td>
<td>Faint sweet fruity</td>
</tr>
</tbody>
</table>

(Contd. from page 5)
## 10 Stability and reactivity

### 10.1 Reactivity
Not determined.

### 10.2 Chemical stability

<table>
<thead>
<tr>
<th>Property</th>
<th>Condition</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermal decomposition</td>
<td>Not applicable.</td>
<td></td>
</tr>
</tbody>
</table>

No decomposition if used and stored according to specifications.

### 10.3 Possibility of hazardous reactions

<table>
<thead>
<tr>
<th>Condition</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxic fumes</td>
<td>Released if heated above the decomposition point.</td>
</tr>
<tr>
<td>Reacts with</td>
<td>Strong acids and alkali.</td>
</tr>
<tr>
<td>Strong oxidizing agents</td>
<td></td>
</tr>
</tbody>
</table>

### 10.4 Conditions to avoid
No further relevant information available.

### 10.5 Incompatible materials
Strong oxidizing agents.

### 10.6 Hazardous decomposition products

<table>
<thead>
<tr>
<th>Product</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulphur oxides (SOx)</td>
<td></td>
</tr>
<tr>
<td>Carbon monoxide and carbon dioxide</td>
<td></td>
</tr>
</tbody>
</table>

### 10.7 Other information
No further relevant information available.
11 Toxicological information

• 11.1 Information on toxicological effects

<table>
<thead>
<tr>
<th>Product as SOLD</th>
<th>Product at USE DILUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity:</td>
<td>&gt;5,000 mg/kg</td>
</tr>
<tr>
<td>Primary irritant effect:</td>
<td>Non-toxic at use-dilution.</td>
</tr>
<tr>
<td>on the skin:</td>
<td>Irritant to skin and mucous membranes.</td>
</tr>
<tr>
<td>on the eye:</td>
<td>Irritating effect.</td>
</tr>
<tr>
<td>Sensitization:</td>
<td>No sensitizing effects known.</td>
</tr>
</tbody>
</table>

• Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

<table>
<thead>
<tr>
<th>Danger</th>
<th>Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>Irritant</td>
<td>Not classified</td>
</tr>
</tbody>
</table>

12 Ecological information

• 12.1 Toxicity
  • Aquatic toxicity: The product contains materials that are harmful to the environment.

• 12.2 Persistence and degradability The product is biodegradable.

• 12.3 Bioaccumulative potential No further relevant information available.

• 12.4 Mobility in soil No further relevant information available.

• Additional ecological information:

  • General notes:
    This statement was deduced from the properties of the single components.
    Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
    Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
    Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term
damage of the environment can not be excluded.

• 12.5 Results of PBT and vPvB assessment
  • PBT: Not applicable.
  • vPvB: Not applicable.

• 12.6 Other adverse effects No further relevant information available.

13 Disposal considerations

• 13.1 Waste treatment methods

<table>
<thead>
<tr>
<th>Product as SOLD</th>
<th>Product at USE DILUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recommendation:</td>
<td>Diluted product can be flushed to sanitary sewer. Discard empty container in trash.</td>
</tr>
<tr>
<td>Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements. Must not be disposed together with household garbage. Do not allow product to reach sewage system.</td>
<td></td>
</tr>
</tbody>
</table>
14 Transport information

Product as SOLD

- **14.1 UN-Number**
  - DOT, ADR, ADN, IMDG, IATA
  - N/A

- **14.2 UN proper shipping name**
  - DOT, ADR, ADN, IMDG, IATA
  - Cleaning Compounds, NOI, liquid.

- **14.3 Transport hazard class(es)**
  - DOT, ADR, ADN, IMDG, IATA
  - Class
  - N/A

- **14.4 Packing group**
  - DOT, ADR, IMDG, IATA
  - N/A

- **14.5 Environmental hazards:**
  - Marine pollutant:
  - No

- **14.6 Special precautions for user**
  - Not applicable.

- **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**
  - Not applicable.

- **UN “Model Regulation”:**
  - Cleaning Compounds, NOI, liquid.

**Product at USE DILUTION**

Not intended for transport.

15 Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - United States (USA)
  - SARA

<table>
<thead>
<tr>
<th>Product as SOLD</th>
<th>Product at USE DILUTION</th>
</tr>
</thead>
</table>
| **Section 355 (extremely hazardous substances):**
  - None of the ingredients is listed. | Not applicable. |
| **Section 313 (Specific toxic chemical listings):**
  - None of the ingredients is listed. | None of the ingredients is listed. |
| **TSCA (Toxic Substances Control Act):**
  - All ingredients are listed. | All ingredients are listed. |
### Trade name: Brisk® Advanced

<table>
<thead>
<tr>
<th></th>
<th>Product as SOLD</th>
<th>Product at USE DILUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Proposition 65 (California):</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Chemicals known to cause cancer:</strong></td>
<td>None of the ingredients is listed.</td>
<td>None of the ingredients is listed.</td>
</tr>
<tr>
<td><strong>Chemicals known to cause reproductive toxicity for females:</strong></td>
<td>None of the ingredients is listed.</td>
<td>None of the ingredients is listed.</td>
</tr>
<tr>
<td><strong>Chemicals known to cause reproductive toxicity for males:</strong></td>
<td>None of the ingredients is listed.</td>
<td>None of the ingredients is listed.</td>
</tr>
<tr>
<td><strong>Chemicals known to cause developmental toxicity:</strong></td>
<td>Ethanol - listing refers specifically to alcoholic beverage consumption and is not applicable for product.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>None of the ingredients is listed.</td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Carcinogenic Categories</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>EPA (Environmental Protection Agency)</strong></td>
<td>None of the ingredients is listed.</td>
<td>None of the ingredients is listed.</td>
</tr>
<tr>
<td><strong>IARC (International Agency for Research on Cancer)</strong></td>
<td>None of the ingredients is listed.</td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>TLV (Threshold Limit Value established by ACGIH)</strong></td>
<td>None of the ingredients is listed</td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>NIOSH-Ca (National Institute for Occupational Safety and Health)</strong></td>
<td>None of the ingredients is listed.</td>
<td>None of the ingredients is listed.</td>
</tr>
<tr>
<td><strong>OSHA-Ca (Occupational Safety &amp; Health Administration)</strong></td>
<td>All ingredients are listed.</td>
<td>All ingredients are listed.</td>
</tr>
<tr>
<td><strong>Canada</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Canadian Domestic Substances List (DSL)</strong></td>
<td>All ingredients are listed.</td>
<td>All ingredients are listed.</td>
</tr>
<tr>
<td><strong>Canadian Ingredient Disclosure list (limit 0.1%)</strong></td>
<td>None of the ingredients is listed.</td>
<td>Not applicable.</td>
</tr>
<tr>
<td><strong>Canadian Ingredient Disclosure list (limit 1%)</strong></td>
<td>None of the ingredients is listed.</td>
<td>None of the ingredients is listed.</td>
</tr>
<tr>
<td><strong>15.2 Chemical safety assessment:</strong></td>
<td>A Chemical Safety Assessment has not been carried out.</td>
<td></td>
</tr>
</tbody>
</table>

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Relevant phrases**

- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
Safety Data Sheet
according to 1907/2006/EC (REACH), 1272/2008/EC (CLP), and
GHS    HCS 2012

Trade name: Brisk® Advanced

R36/38  Irritating to eyes and skin.
R41    Risk of serious damage to eyes.

SDS File Name: LL10 BRISK ADVANCED SDS

• Abbreviations and acronyms:
  ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the
  International Carriage of Dangerous Goods by Road)
  IMDG: International Maritime Code for Dangerous Goods
  DOT: US Department of Transportation
  IATA: International Air Transport Association
  GHS: Globally Harmonized System of Classification and Labeling of Chemicals
  ACGIH: American Conference of Governmental Industrial Hygienists
  EINECS: European Inventory of Existing Commercial Chemical Substances
  ELINCS: European List of Notified Chemical Substances
  CAS: Chemical Abstracts Service (division of the American Chemical Society)
  NFPA: National Fire Protection Association (USA)
  HMIS: Hazardous Materials Identification System (USA)
  WHMIS: Workplace Hazardous Materials Information System (Canada)
  DNEL: Derived No-Effect Level (REACH)
  PNEC: Predicted No-Effect Concentration (REACH)

• Sources
  SDS Prepared by:
  ChemTel Inc.
  1305 North Florida Avenue
  Tampa, Florida USA 33602-2902
  Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573
  Website: www.chemtelinc.com
  Revision: 10/17/2017

Stearns Packaging Corporation makes no warranty, representation or guarantee as to the accuracy, sufficiency or completeness of the material set forth herein. It is the user’s responsibility
to determine the safety, toxicity and suitability of his own use, handling and disposal of this product. Since actual use by others is beyond our control, no warranty, expressed or implied, is
made by Stearns Packaging Corporation as to the effects of such use, the results to be obtained or the safety and toxicity of this product, nor does Stearns Packaging Corporation assume
any liability arising out of the use by others of this product referred to herein. The data in this MSDS relates only to the specific material designated herein and does not relate to use in
combination with any other material or in any process. Stearns Packaging Corporation does not recommend blending this product with any other chemicals. All information, recommendations
and data contained herein concerning this product are based upon information available at the time of writing from recognized technical sources.