1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier
Product Code 17005
Product Name Liquid Laundry Detergent

Other means of identification

Recommended use of the chemical and restrictions on use
Use only for the purpose on the product label.

Details of the supplier of the safety data sheet

Manufacturer / Manufactured For
Team Systems
2723 Dove Country Drive
Stafford, TX 77477
Phone: 1 (800) 652-0717

Emergency telephone number
24 Hour Emergency Phone Number 1-800-535-5053

2. HAZARDS IDENTIFICATION

Classification
Acute toxicity - Oral Category 5
Skin corrosion/irritation Category 3

Label elements

Warning
Emergency Overview

Hazard statements
May be harmful if swallowed
Causes mild skin irritation

Appearance Blue
Physical state Liquid
Odor Citrus

Precautionary Statements - Response
Specific Treatment (See Section 4 on the SDS).
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. Remove/Take off immediately all contaminated clothing. Wash contaminated
clothing before reuse.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
IF SWALLOWED: Rinse mouth. DO NOT induce vomiting. Drink plenty of water.

Precautionary Statements - Storage
Keep container tightly closed in a cool, dry and well-ventilated place away from strong acids and oxidizing agents. Keep locked up
and out of the reach of children.

Precautionary Statements - Disposal
Disposal should be in accordance with applicable regional, national and local laws and regulations.
Liquid Laundry Detergent

Hazards not otherwise classified (HNOC)

Other Information

Unknown Acute Toxicity

0.19% of the mixture consists of ingredient(s) of unknown toxicity.

### 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>Nonylphenol Polyethylene Glycol Ether</td>
<td>127087-87-0</td>
<td>10-30</td>
<td>*</td>
</tr>
<tr>
<td>2-butoxyethanol</td>
<td>111-76-2</td>
<td>1-5</td>
<td>*</td>
</tr>
</tbody>
</table>

*The exact percentage (concentration) of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

**First aid measures**

**General advice**

Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.

**Skin Contact**

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, see a physician.

**Eye contact**

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If irritation persists, see a physician.

**Inhalation**

Remove to fresh air. Call a physician. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

**Ingestion**

Rinse mouth. Do NOT induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. If irritation persists, see a physician.

**Self-protection of the first aider**

Use personal protective equipment as required.

**Most important symptoms and effects, both acute and delayed**

**Symptoms**

Irritation or burning to mucous membranes. May cause irritation and/or burning to eyes and skin.

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

**Note to physicians**

Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media**

Caution: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**

No Information available.

**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
Ensure adequate ventilation, especially in confined areas.

Environmental precautions

Environmental precautions
Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system.

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
Contain spill. Clean up with inert material and place in a properly labeled container.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling
Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage Conditions
Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.

Incompatible materials
Strong acids and oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines
This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-butoxyethanol 111-76-2</td>
<td>TWA: 20 ppm</td>
<td>TWA: 50 ppm TWA: 240 mg/m³ (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m³ (vacated) S* S*</td>
<td>IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m³</td>
</tr>
<tr>
<td>Ethylene Glycol Monostearate 107-21-1</td>
<td>Ceiling: 100 mg/m³ aerosol only</td>
<td>(vacated) Ceiling: 50 ppm (vacated) Ceiling: 125 mg/m³</td>
<td></td>
</tr>
<tr>
<td>2-(2-methoxypropoxy)propano 34590-94-8</td>
<td>STEL: 150 ppm TWA: 100 ppm S*</td>
<td>TWA: 100 ppm TWA: 600 mg/m³ (vacated) TWA: 100 ppm (vacated) TWA: 600 mg/m³ (vacated) STEL: 150 ppm (vacated) STEL: 900 mg/m³ (vacated) S* S*</td>
<td>IDLH: 600 ppm TWA: 100 ppm TWA: 600 mg/m³ STEL: 150 ppm STEL: 900 mg/m³</td>
</tr>
</tbody>
</table>

NIOSH IDLH Immediately Dangerous to Life or Health

Other Information
Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Appropriate engineering controls

Engineering Controls
Showers, Eyewash stations & Ventilation systems.
Individual protection measures, such as personal protective equipment

- **Eye/face protection**: Tight sealing 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. Positive-pressure supplied air respirators or air purifying respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General Hygiene**
Handle in accordance with good industrial hygiene and safety practice.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

- **Physical state**: Liquid
- **Appearance**: Blue
- **Odor**: Citrus
- **Odor threshold**: No Information available

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>6.0 - 8.0</td>
<td></td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.021</td>
<td></td>
</tr>
<tr>
<td>Viscosity</td>
<td>50 - 100 cP</td>
<td></td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>No Information available</td>
<td></td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>212 / °F Degrees</td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>&lt; 1</td>
<td>(butyl acetate = 1)</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No Information available</td>
<td></td>
</tr>
<tr>
<td>Upper flammability limit:</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Lower flammability limit:</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Vapor density</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>Water solubility</td>
<td>Complete</td>
<td></td>
</tr>
<tr>
<td>Partition Coefficient (n-octanol/water)</td>
<td>No Information available</td>
<td></td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No Information available</td>
<td></td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No Information available</td>
<td></td>
</tr>
</tbody>
</table>

**Other Information**

- **Density Lbs/Gal**: No Information available
- **VOC Content (%)**: 7.82

### 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**
Elevated temperature.

**Incompatible materials**
Strong acids and oxidizing agents.
Liquid Laundry Detergent

Revision Date 01-Jun-2015

Hazardous Decomposition Products
Oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information  No data available

Inhalation  No data available.

Eye contact  No data available.

Skin Contact  May cause irritation.

Ingestion  May be harmful if swallowed.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Oral LD50</th>
<th>Dermal LD50</th>
<th>Inhalation LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nonylphenol Polyethylene Glycol Ether</td>
<td>= 1310 mg/kg (Rat)</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>2-butoxyethanol</td>
<td>= 470 mg/kg (Rat)</td>
<td>= 99 mg/kg (Rabbit)</td>
<td>= 450 ppm (Rat) 4 h</td>
</tr>
<tr>
<td>Ethylene Glycol Monostearate</td>
<td>4000 - 10200 mg/kg (Rat)</td>
<td>= 10600 mg/kg (Rat) = 9530 µL/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>2-(2-methoxypropoxy)propano</td>
<td>= 5230 mg/kg (Rat)</td>
<td>= 9500 mg/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>D-Limonene</td>
<td>= 4400 mg/kg (Rat)</td>
<td>&gt; 5000 mg/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>Dinonylphenyl Polyoxyethylene</td>
<td>= 960 mg/kg (Rat)</td>
<td>&gt; 2000 mg/kg (Rabbit)</td>
<td>-</td>
</tr>
<tr>
<td>Polyethylene Glycol</td>
<td>= 28 g/kg (Rat)</td>
<td>&gt; 20 g/kg (Rabbit) &gt; 20 mL/kg (Rabbit)</td>
<td>-</td>
</tr>
</tbody>
</table>

Information on toxicological effects

Symptoms  No Information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Irritation  MAY CAUSE SKIN IRRITATION.
Sensitization  No Information available.
Germ cell mutagenicity  No Information available.
Carcinogenicity  The table below indicates whether each agency has listed any ingredient as a carcinogen.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ACGIH</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-butoxyethanol</td>
<td>A3</td>
<td>Group 3</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

ACGIH (American Conference of Governmental Industrial Hygienists)
A3 - Animal Carcinogen
IARC (International Agency for Research on Cancer)
Not classifiable as a human carcinogen

Reproductive toxicity  No Information available.
STOT - single exposure  No Information available.
STOT - repeated exposure  No Information available.
Chronic toxicity  May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects.
Target organ effects  Blood, Central nervous system, EYES, hematopoietic system, Kidney, Liver, Respiratory system, Skin.
Aspiration hazard  No Information available.

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity  0.19% of the mixture consists of ingredient(s) of unknown toxicity.
The following values are calculated based on chapter 3.1 of the GHS document.

12. ECOLOGICAL INFORMATION
Ecotoxicity

22.38% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-butoxyethanol 111-76-2</td>
<td>-</td>
<td>1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50</td>
<td>1000: 48 h Daphnia magna mg/L EC50</td>
</tr>
<tr>
<td>Ethylene Glycol Monostearate 107-21-1</td>
<td>6500 - 13000: 96 h Pseudokirchneriella subcapitata mg/L EC50</td>
<td>41000: 96 h Oncorhynchus mykiss mg/L LC50 static 14 - 18: 96 h Oncorhynchus mykiss mL/L LC50 static 27540: 96 h Lepomis macrochirus mg/L LC50 static 40761: 96 h Oncorhynchus mykiss mg/L LC50 static 40000 - 60000: 96 h Pimephales promelas mg/L LC50 static 16000: 96 h Poecilia reticulata mg/L LC50 static</td>
<td>46300: 48 h Daphnia magna mg/L EC50</td>
</tr>
<tr>
<td>2-(2-methoxypropoxy)propano 34590-94-8</td>
<td>-</td>
<td>10000: 96 h Pimephales promelas mg/L LC50 static</td>
<td>1919: 48 h Daphnia magna mg/L LC50</td>
</tr>
<tr>
<td>D-Limonene 94266-47-4</td>
<td>Unknown</td>
<td>Unknown</td>
<td>&lt;30,000 ppm with M. bahia in a Generic seven drilling fluid</td>
</tr>
<tr>
<td>Polyethylene Glycol 25322-68-3</td>
<td>-</td>
<td>5000: 24 h Carassius auratus mg/L LC50</td>
<td></td>
</tr>
</tbody>
</table>

Persistence and degradability
No Information available.

Bioaccumulation
No Information available.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Partition coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-butoxyethanol 111-76-2</td>
<td>0.81</td>
</tr>
</tbody>
</table>

Other adverse effects
No Information available.

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
Do not reuse container.

14. TRANSPORT INFORMATION

The shipping classification information in this section (Section 14) is meant as a guide to the overall classification of the product. However, transportation classifications may be subject to change with changes in package size. Consult shipper requirements under 49 CFR, IATA and IMDG to assure regulatory compliance.

DOT
Not regulated

15. REGULATORY INFORMATION

International Inventories

<table>
<thead>
<tr>
<th>TSCA</th>
<th>DSL/NDSL</th>
<th>EINECS/ELINCS</th>
<th>ENCS</th>
<th>IECSC</th>
<th>KECL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complies</td>
<td>Does not comply</td>
<td>Does not comply</td>
<td>Does not comply</td>
<td>Does not comply</td>
<td>Does not comply</td>
</tr>
</tbody>
</table>
Liquid Laundry Detergent

Revision Date 01-Jun-2015

Legend:
- TSCA - United States Toxic Substances Control 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
- AICS - Australian Inventory of Chemical Substances

US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>SARA 313 - Threshold Values %</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-(2-methoxypropoxy)propano - 34590-94-8</td>
<td>1.0</td>
</tr>
<tr>
<td>Ethylene Glycol Monostearate - 107-21-1</td>
<td>1.0</td>
</tr>
</tbody>
</table>

SARA 311/312 Hazard Categories

- Acute health hazard: Yes
- Chronic Health Hazard: No
- Fire hazard: No
- Sudden release of pressure hazard: No
- Reactive Hazard: No

CWA (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.

US State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>New Jersey</th>
<th>Massachusetts</th>
<th>Pennsylvania</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-butoxyethanol 111-76-2</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>2-(2-methoxypropoxy)propano 34590-94-8</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Ethylene Glycol Monostearate 107-21-1</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>FD&amp;C Blue #1 3844-45-9</td>
<td>-</td>
<td>X</td>
<td>-</td>
</tr>
</tbody>
</table>

U.S. EPA Label Information

EPA Pesticide Registration Number  Not Applicable

16. OTHER INFORMATION

HMIS
- Health hazards 2
- Flammability 0
- Physical hazards 0
- Personal protection X

Legend
- N/A - Not Applicable
- N/E - Not Established
N/D - Not Determined
N/K - Not Known

<table>
<thead>
<tr>
<th>Issue Date</th>
<th>23-Oct-2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revision Date</td>
<td>01-Jun-2015</td>
</tr>
<tr>
<td>Revision Note</td>
<td>New format</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 its publication. The information given is designed only as a 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