## **SAFETY DATA SHEET**



1/12

#### Duet L with Bleach Alternative

| Section 1. Identif   | fication  |
|--|---|
| GHS product identifier                                     | : Duet L with Bleach Alternative  |
| Other means of identification                              | : Not available.  |
| Product type   | : Liquid.   |
| Relevant identified uses of                                | f the substance or mixture and uses advised against   |
| Not applicable.  |   |
| Supplier's details   | : Betco Corporation<br>400 Van Camp Road<br>Toledo, Ohio 43402<br>www.betco.com<br>888-462-3826   |
| Emergency telephone<br>number (with hours of<br>operation) | : Chemtrec (800) 424-9300 24 hour   |
| Section 2. Hazard  | ds identification   |
| OSHA/HCS status  | : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).   |
| Classification of the substance or mixture                 | : EYE IRRITATION - Category 2A<br>TOXIC TO REPRODUCTION (Unborn child) - Category 2   |
| GHS label elements   |   |
| Hazard pictograms  |   |
| Signal word  | : Warning   |
| Hazard statements  | : Causes serious eye irritation.<br>Suspected of damaging the unborn child.   |
| Precautionary statements                                   |   |
| Prevention   | : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves: < 1 hour (breakthrough time): disposable vinyl. Wear eye or face protection: Recommended: safety glasses. Wear protective clothing. Wash hands thoroughly after handling. |
| Response   | : IF exposed or concerned: Get medical attention. 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.   |
| Storage  | : Store locked up.  |
| Disposal   | : Dispose of contents and container in accordance with all local, regional, national and international regulations.   |
| Hazards not otherwise classified                           | : None known.   |

## Section 3. Composition/information on ingredients

#### Substance/mixture Other means of identification

: Mixture

: Not available.

#### CAS number/other identifiers

| CAS number   | : Not applicable. |
|--------------|-------------------|
| Product code | : 475             |

| Ingredient name   | %         | CAS number |
|---|-----------|------------|
| Alcohols, C9-11, ethoxylated  | ≥3 - <5   | 68439-46-3 |
| Poly(oxy-1,2-ethanediyl), $\alpha$ -sulfo- $\omega$ -(dodecyloxy)-, sodium salt (1:1) | ≥2 - <3   | 9004-82-4  |
| D-Glucopyranose, oligomers, decyl octyl glycosides                                    | ≥1 - <3   | 68515-73-1 |
| 2-Propenoic acid, homopolymer, sodium salt  | ≥1 - <3   | 9003-04-7  |
| disodium tetraborate pentahydrate   | ≥0.3 - <1 | 12179-04-3 |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

## Section 4. First aid measures

#### Description of necessary first aid measures

| Eye contact  | : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.   |
|--------------|---|
| Inhalation   | : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.  |
| Skin contact | : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.  |
| Ingestion    | : Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. |

#### Most important symptoms/effects, acute and delayed

| Potential acute health effects |  |
|--------------------------------|--|
| Eye contact                    | : Causes serious eye irritation.   |
| Inhalation                     | : No known significant effects or critical hazards.  |
| Skin contact                   | : No known significant effects or critical hazards.  |
| Ingestion                      | : No known significant effects or critical hazards.  |
| Over-exposure signs/sympto     | <u>ms</u>  |
| Eye contact                    | : Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness |

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## Section 4. First aid measures

| Inhalation                  | : Adverse symptoms may include the following:<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations                       |
|-----------------------------|---|
| Skin contact                | : Adverse symptoms may include the following:<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations                       |
| Ingestion                   | : Adverse symptoms may include the following:<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations                       |
| Indication of immediate mee | dical attention and special treatment needed, if necessary  |
| Notes to physician          | <ul> <li>Treat symptomatically. Contact poison treatment specialist immediately if large<br/>quantities have been ingested or inhaled.</li> </ul> |
| Specific treatments         | : No specific treatment.  |
| Protection of first-aiders  | : No action shall be taken involving any personal risk or without suitable training. It may   |

be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

| Extinguishing media                            |   |
|--|---|
| Suitable extinguishing media                   | : Use an extinguishing agent suitable for the surrounding fire.   |
| Unsuitable extinguishing media                 | : None known.   |
| Specific hazards arising from the chemical     | : In a fire or if heated, a pressure increase will occur and the container may burst.   |
| Hazardous thermal decomposition products       | : Decomposition products may include the following materials:<br>carbon dioxide<br>carbon monoxide<br>sulfur oxides<br>metal oxide/oxides   |
| Special protective actions for fire-fighters   | : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. |
| Special protective equipment for fire-fighters | : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.                         |

## Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

| For non-emergency<br>personnel | • | No action shall be taken involving any personal risk or without suitable training.<br>Evacuate surrounding areas. Keep unnecessary and unprotected personnel from<br>entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist.<br>Provide adequate ventilation. Wear appropriate respirator when ventilation is<br>inadequate. Put on appropriate personal protective equipment. |
|--------------------------------|---|--|
| For emergency responders       | : | If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".  |

## Section 6. Accidental release measures

| Environmental precautions    | : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).   |
|------------------------------|---|
| Methods and materials for co | ontainment and cleaning up  |
| Small spill                  | : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.   |
| Large spill                  | : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal. |

## Section 7. Handling and storage

#### Precautions for safe handling

| Protective measures  | : Put on appropriate personal protective equipment (see Section 8). Avoid exposure -<br>obtain special instructions before use. Avoid exposure during pregnancy. Do not<br>handle until all safety precautions have been read and understood. Do not get in eyes<br>or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal<br>use the material presents a respiratory hazard, use only with adequate ventilation or<br>wear appropriate respirator. Keep in the original container or an approved alternative<br>made from a compatible material, kept tightly closed when not in use. Empty containers<br>retain product residue and can be hazardous. Do not reuse container. |
|--|---|
| Advice on general occupational hygiene                             | : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.   |
| Conditions for safe storage,<br>including any<br>incompatibilities | : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.   |

## Section 8. Exposure controls/personal protection

#### **Control parameters**

## Occupational exposure limits

| Ingredient name                   | Exposure limits   |
|-----------------------------------|---|
| disodium tetraborate pentahydrate | ACGIH TLV (United States, 3/2015).<br>TWA: 2 mg/m <sup>3</sup> 8 hours. Form: Inhalable<br>fraction<br>STEL: 6 mg/m <sup>3</sup> 15 minutes. Form: Inhalable<br>fraction<br>OSHA PEL 1989 (United States, 3/1989).<br>TWA: 10 mg/m <sup>3</sup> 8 hours.<br>NIOSH REL (United States, 10/2013).<br>TWA: 1 mg/m <sup>3</sup> 10 hours. |

## Section 8. Exposure controls/personal protection

| Appropriate engineering controls              | : If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.  |
|---|---|
| Environmental exposure controls               | : Emissions from ventilation or work process equipment should be checked to ensure<br>they comply with the requirements of environmental protection legislation. In some<br>cases, fume scrubbers, filters or engineering modifications to the process equipment<br>will be necessary to reduce emissions to acceptable levels.   |
| Individual protection meas                    | ures de la constante de la const  |
| Hygiene measures                              | : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.   |
| Eye/face protection                           | : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles. Recommended: safety glasses  |
| Skin protection                               |   |
| Hand protection                               | : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. < 1 hour (breakthrough time): disposable vinyl |
| Body protection                               | : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.   |
| Other skin protection                         | : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.   |
| Respiratory protection                        | : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.  |
| Personal protective<br>equipment (Pictograms) |   |

## Section 9. Physical and chemical properties

| <u>Appearance</u>         |  |
|---------------------------|--|
| Physical state            | : Liquid.  |
| Color                     | : Clear. Blue. [Dark]  |
| Odor                      | : Pleasant.  |
| Odor threshold            | : Not available.   |
| рН                        | : 7 to 8   |
| Melting point             | : Not available.   |
| Boiling point             | : Not available.   |
| Flash point               | : Closed cup: >150°C (>302°F) [Product does not sustain combustion.] |
| Evaporation rate          | : Not available.   |
| Flammability (solid, gas) | : Not available.   |
|                           |  |

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## Section 9. Physical and chemical properties

| Lower and upper explosive (flammable) limits | : | Not available.   |
|--|---|--|
| Vapor pressure                               | : | Not available.   |
| Vapor density                                | : | Not available.   |
| Relative density                             | 1 | 1.0378   |
| Solubility                                   | : | Easily soluble in the following materials: cold water and hot water. |
| Partition coefficient: n-<br>octanol/water   | : | Not available.   |
| Auto-ignition temperature                    | : | Not available.   |
| Decomposition temperature                    | : | Not available.   |
| Viscosity                                    | : | Not available.   |

## Section 10. Stability and reactivity

| Hazardous decomposition products   | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |
|------------------------------------|--|
| Incompatible materials             | : No specific data.  |
| Conditions to avoid                | : No specific data.  |
| Possibility of hazardous reactions | : Under normal conditions of storage and use, hazardous reactions will not occur.                      |
| Chemical stability                 | : The product is stable.   |
| Reactivity                         | : No specific test data related to reactivity available for this product or its ingredients.           |

## Section 11. Toxicological information

#### Information on toxicological effects

| · · · |     |      |
|-------|-----|------|
| Acute | tox | CITV |
| Addie | LOA | UILY |
|       |     |      |

| Product/ingredient name  | Result                   | Species       | Dose                 | Exposure |
|--|--------------------------|---------------|----------------------|----------|
| Alcohols, C9-11, ethoxylated   | LD50 Dermal<br>LD50 Oral | Rabbit<br>Rat | 2 g/kg<br>1378 mg/kg | -        |
| Poly(oxy-1,2-ethanediyl), $\alpha$ -<br>sulfo- $\omega$ -(dodecyloxy)-, sodium<br>salt (1:1) | LD50 Oral                | Rat           | 1600 mg/kg           | -        |
| 2-Propenoic acid,<br>homopolymer, sodium salt  | LD50 Oral                | Rat           | >8250 mg/kg          | -        |

#### Irritation/Corrosion

| Product/ingredient name   | Result                   | Species | Score | Exposure                   | Observation |
|---|--------------------------|---------|-------|----------------------------|-------------|
| Poly(oxy-1,2-ethanediyl), α-<br>sulfo-ω-(dodecyloxy)-, sodium<br>salt (1:1) | Eyes - Moderate irritant | Rabbit  | -     | 24 hours 20<br>milligrams  | -           |
|   | Eyes - Severe irritant   | Rabbit  | -     | 24 hours 100 microliters   | -           |
|   | Skin - Moderate irritant | Rabbit  | -     | 24 hours 25<br>milligrams  | -           |
|   | Skin - Severe irritant   | Rabbit  | -     | 24 hours 500<br>milligrams | -           |
| 2-Propenoic acid,<br>homopolymer, sodium salt                               | Eyes - Moderate irritant | Rabbit  | -     | 2 milligrams               | -           |
| disodium tetraborate<br>pentahydrate  | Eyes - Severe irritant   | Rabbit  | -     | 100<br>milligrams          | -           |

**Sensitization** 

## Section 11. Toxicological information

#### Not available. Mutagenicity Not available. Carcinogenicity Not available. Reproductive toxicity Not available. Teratogenicity Not available.

Not available.

#### Specific target organ toxicity (single exposure) Not available.

Specific target organ toxicity (repeated exposure)

Not available.

#### **Aspiration hazard**

Not available.

| Information on the likely<br>routes of exposure | 1 | Routes of entry anticipated: Oral, Dermal.<br>Routes of entry not anticipated: Inhalation. |
|---|---|--|
| Potential acute health effects                  |   |  |
| Eye contact                                     | : | Causes serious eye irritation.   |
| Inhalation                                      | 1 | No known significant effects or critical hazards.  |
| Skin contact                                    | : | No known significant effects or critical hazards.  |
| Ingestion                                       | 1 | No known significant effects or critical hazards.  |

#### Symptoms related to the physical, chemical and toxicological characteristics

| Eye contact  | : Adverse symptoms may include the following:<br>pain or irritation<br>watering<br>redness                                  |
|--------------|---|
| Inhalation   | : Adverse symptoms may include the following:<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations |
| Skin contact | : Adverse symptoms may include the following:<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations |
| Ingestion    | : Adverse symptoms may include the following:<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations |

| Delayed and immediate effec    | ts and also chronic effects from short and long term exposure |
|--------------------------------|---|
| <u>Short term exposure</u>     |   |
| Potential immediate<br>effects | : Not available.  |
| Potential delayed effects      | : Not available.  |
| Long term exposure             |   |

## Section 11. Toxicological information

|                                | -   |
|--------------------------------|---|
| Potential immediate<br>effects | : Not available.                                    |
| Potential delayed effects      | : Not available.                                    |
| Potential chronic health effe  | <u>icts</u>   |
| Not available.                 |   |
| General                        | : No known significant effects or critical hazards. |
| Carcinogenicity                | : No known significant effects or critical hazards. |
| Mutagenicity                   | : No known significant effects or critical hazards. |
| Teratogenicity                 | : Suspected of damaging the unborn child.           |
| <b>Developmental effects</b>   | : No known significant effects or critical hazards. |
| Fertility effects              | : No known significant effects or critical hazards. |
|                                |   |

#### Numerical measures of toxicity

| Acute toxicity estimates |               |
|--------------------------|---------------|
| Route                    | ATE value     |
| Oral                     | 59259.3 mg/kg |

## Section 12. Ecological information

#### **Toxicity**

| Product/ingredient name   | Result   | Species   | Exposure             |
|---|--|---|----------------------|
| Alcohols, C9-11, ethoxylated  | Acute EC50 5.36 mg/l Fresh water                                     | Crustaceans - Ceriodaphnia<br>dubia - Neonate                               | 48 hours             |
|   | Acute EC50 2686 µg/l Fresh water                                     | Daphnia - Daphnia magna -<br>Neonate  | 48 hours             |
| Poly(oxy-1,2-ethanediyl), α-<br>sulfo-ω-(dodecyloxy)-, sodium<br>salt (1:1) | Acute LC50 8500 µg/l Fresh water<br>Acute EC50 3.12 mg/l Fresh water | Fish - Pimephales promelas<br>Crustaceans - Ceriodaphnia<br>dubia - Neonate | 96 hours<br>48 hours |

#### Persistence and degradability

Not available.

#### **Bioaccumulative potential**

Not available.

# Mobility in soil Soil/water partition : Not available. coefficient (Koc) : Not available.

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

## Section 13. Disposal considerations

| <b>Disposal methods</b><br>: The generation of waste should be avoided or minimized wherever possible. I<br>of this product, solutions and any by-products should at all times comply with t<br>requirements of environmental protection and waste disposal legislation and a<br>regional local authority requirements. Dispose of surplus and non-recyclable p<br>via a licensed waste disposal contractor. Waste should not be disposed of un<br>the sewer unless fully compliant with the requirements of all authorities with jun<br>Waste packaging should be recycled. Incineration or landfill should only be com- |
|---|
|---|

## Section 13. Disposal considerations

when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

|                               | DOT<br>Classification | TDG<br>Classification | Mexico<br>Classification | ADR/RID        | IMDG           | IATA           |
|-------------------------------|-----------------------|-----------------------|--------------------------|----------------|----------------|----------------|
| UN number                     | Not regulated.        | Not regulated.        | Not regulated.           | Not regulated. | Not regulated. | Not regulated. |
| UN proper<br>shipping name    | -                     | -                     | -                        | -              | -              | -              |
| Transport<br>hazard class(es) | -                     | -                     | -                        | -              | -              | -              |
| Packing group                 | -                     | -                     | -                        | -              | -              | -              |
| Environmental<br>hazards      | No.                   | No.                   | No.                      | No.            | No.            | No.            |
| Additional information        | -                     | -                     | -                        | -              | -              | -              |

Special precautions for user : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according : Not available. to Annex II of MARPOL and the IBC Code

## Section 15. Regulatory information

| U.S. Federal regulations  | <ul> <li>TSCA 8(a) PAIR: 2-(4-tert-butylbenzyl)propionaldehyde; α-hexylcinnamaldehyde;<br/>piperonal</li> </ul> |
|---|---|
|   | TSCA 8(a) CDR Exempt/Partial exemption: Not determined  |
|   | Not determined.   |
|   | Clean Water Act (CWA) 307: diethyl phthalate  |
|   | Clean Water Act (CWA) 311: sodium hydroxide; aniline  |
| Clean Air Act Section 112<br>(b) Hazardous Air<br>Pollutants (HAPs) | : Listed  |
| Clean Air Act Section 602<br>Class I Substances                     | : Not listed  |
| Clean Air Act Section 602<br>Class II Substances                    | : Not listed  |
| DEA List I Chemicals<br>(Precursor Chemicals)                       | : Not listed  |
| DEA List II Chemicals<br>(Essential Chemicals)                      | : Not listed  |
| SARA 302/304  |   |

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## Section 15. Regulatory information

#### **Composition/information on ingredients**

|         |      |      | SARA 302 TPQ |           | SARA 304 RQ |           |
|---------|------|------|--------------|-----------|-------------|-----------|
| Name    | %    | EHS  | (lbs)        | (gallons) | (lbs)       | (gallons) |
| aniline | <0.1 | Yes. | 1000         | 117.6     | 5000        | 587.9     |

#### **SARA 304 RQ**

: 3125000000000 lbs / 1418750000000 kg [361142897258.6 gal / 1367074580844.1 L]

#### SARA 311/312 Classification

: Immediate (acute) health hazard

Delayed (chronic) health hazard

#### **Composition/information on ingredients**

| Name  | %                    | Fire<br>hazard | Sudden<br>release of<br>pressure | Reactive   | Immediate<br>(acute)<br>health<br>hazard | Delayed<br>(chronic)<br>health<br>hazard |
|---|----------------------|----------------|----------------------------------|------------|--|--|
| Alcohols, C9-11, ethoxylated<br>Poly(oxy-1,2-ethanediyl), α-sulfo-<br>ω-(dodecyloxy)-, sodium salt (1:1 | ≥3 - <5<br>≥2 - <3   | No.<br>No.     | No.<br>No.                       | No.<br>No. | Yes.<br>Yes.                             | No.<br>No.                               |
| D-Glucopyranose, oligomers, decyl octyl glycosides  | ≥1 - <3              | No.            | No.                              | No.        | Yes.                                     | No.                                      |
| 2-Propenoic acid, homopolymer,<br>sodium salt<br>disodium tetraborate<br>pentahydrate                   | ≥1 - <3<br>≥0.3 - <1 | No.<br>No.     | No.<br>No.                       | No.<br>No. | Yes.<br>Yes.                             | No.<br>Yes.                              |

#### **State regulations**

| Massachusetts | : None of the components are listed.   |
|---------------|--|
| New York      | : None of the components are listed.   |
| New Jersey    | <ul> <li>The following components are listed: PROPYLENE GLYCOL; 1,2-PROPANEDIOL;<br/>ETHYL ALCOHOL; ALCOHOL</li> </ul> |
| Pennsylvania  | : The following components are listed: 1,2-PROPANEDIOL; DENATURED ALCOHOL; ETHANOL                                     |

#### California Prop. 65

WARNING: This product contains less than 0.1% of a chemical known to the State of California to cause cancer.

| Ingredient name | Cancer | •   | level | Maximum<br>acceptable dosage<br>level |
|-----------------|--------|-----|-------|---------------------------------------|
| aniline         | Yes.   | No. | Yes.  | No.                                   |

#### **International regulations**

Chemical Weapon Convention List Schedules I, II & III Chemicals Not listed.

#### Montreal Protocol (Annexes A, B, C, E)

Not listed.

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### **Rotterdam Convention on Prior Inform Consent (PIC)**

Not listed.

#### **UNECE Aarhus Protocol on POPs and Heavy Metals**

Not listed.

#### **International lists**

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## Section 15. Regulatory information

| National inventory |  |
|--------------------|--|
| Australia          | : Not determined.  |
| Canada             | : Not determined.  |
| China              | : Not determined.  |
| Europe             | : Not determined.  |
| Japan              | : Japan inventory (ENCS): Not determined.<br>Japan inventory (ISHL): Not determined. |
| Malaysia           | : Not determined.  |
| New Zealand        | : Not determined.  |
| Philippines        | : Not determined.  |
| Republic of Korea  | : Not determined.  |
| Taiwan             | : Not determined.  |

## Section 16. Other information

#### Hazardous Material Information System (U.S.A.)



Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on SDSs under 29 CFR 1910. 1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

#### National Fire Protection Association (U.S.A.)



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

#### Procedure used to derive the classification

| Classification<br>Eye Irrit. 2A, H319<br>Repr. 2, H361 (Unborn child) |                          | Justification                            |  |  |
|---|--------------------------|--|--|--|
|   |                          | Calculation method<br>Calculation method |  |  |
| <u>History</u>  |                          |  |  |  |
| Date of printing  | : 4/25/2017              |  |  |  |
| Date of issue/Date of revision  | : 3/2/2017               |  |  |  |
| Date of previous issue  | : No previous validation |  |  |  |
| Version   | : 0.01                   |  |  |  |

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## Section 16. Other information

| Key to abbreviations | <ul> <li>ATE = Acute Toxicity Estimate<br/>BCF = Bioconcentration Factor<br/>GHS = Globally Harmonized System of Classification and Labelling of Chemicals<br/>IATA = International Air Transport Association<br/>IBC = Internediate Bulk Container<br/>IMDG = International Maritime Dangerous Goods<br/>LogPow = logarithm of the octanol/water partition coefficient<br/>MARPOL = International Convention for the Prevention of Pollution From Ships, 1973<br/>as modified by the Protocol of 1978. ("Marpol" = marine pollution)<br/>UN = United Nations</li> </ul> |
|----------------------|--|
| References           | : Not available.   |

✓ Indicates information that has changed from previously issued version.

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