

# Safety Data Sheet

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# LabClean

Version 3.0

Date revised: 26/04/2019

Conforms to regulation (EC) no. EU 453/2010

## SECTION 1 – IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product Identifier

**Product Name:** LabClean **Product Numbers:** SG-CXX-01, SG-CXX-02

### 1.2 Relevant Identified Uses of the Substance/Mixture and Uses Advised Against

Investigational research by professional users.

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

#### Supplier

LabLogic Systems, Inc.  
1911 N US HWY 301  
Suite 140  
Tampa  
FL 33619  
USA  
E-mail: solutions@lablogic.com

### 1.4 Emergency Telephone Number

Tel: +1 813-626-6848

## SECTION 2 – HAZARDS IDENTIFICATION

### 2.1 Classification of the Substance or Mixture

Classification according to Regulation (EC) No. 1272/2008 [EU-GHS/CLP]

**H302** – Acute Toxicity-Oral (Category 4)

**H315** – Skin Corrosion/Irritation (Category 2)

**H319** – Serious Eye Damage/Eye Irritation (Category 2A)

**H332** – Acute Toxicity-Inhalation (Category 4)

**H411** – Chronic Hazards to the Aquatic Environment (Category 2)

## 2.2 Label Elements

### GHS LABEL ELEMENTS AND CLASSIFICATION

#### GHS Label Elements



#### WARNING

**H302** – Harmful if swallowed.

**H315** – Causes skin irritation.

**H319** – Causes serious eye irritation.

**H332** – Harmful if inhaled.

**H412** – Harmful to aquatic life with long lasting effects.

**P262** – Do not get into eyes, on skin or on clothing.

**P273** – Avoid release to the environment.

**P305+P351+P338** – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

**P308+P313** – IF exposed or concerned: Call a POISON CENTER or doctor/physician.

**P337+P313** – IF eye irritation persists: Get medical advice/attention.

## 2.3 Other Hazards

None found.

## SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2 Mixture

#### Chemical Names/Description

Aqueous solution of nonionic surfactants, cosolvents and chelating agents (<1%).

#### Component List

| Component               | % Comp. | CAS #     | EC #      | 1278/2008 Classification     |
|-------------------------|---------|-----------|-----------|------------------------------|
| Butoxy Ethanol          | 5 - 10  | 111-76-2  | 203-905-0 | H302, H312, H315, H319, H332 |
| Octylphenol Ethoxylates | 10 - 25 | 9002-93-1 |           | H302, H319, H411             |

## SECTION 4 – FIRST AID MEASURES

### 4.1 Description of First Aid Measures

#### Inhalation

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

#### Ingestion

Do not give liquids if victim is unconscious or very drowsy. Otherwise, give no more than 2 glasses of water and induce vomiting. Keep victim's head below hips while vomiting. Get medical attention.

#### Skin

Immediately flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

#### Eyes

Immediately flush eyes with plenty of water for at least fifteen minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.



#### 4.2 Most Important Symptoms and Effects, Both Acute and Delayed

##### Inhalation

**Butoxy Ethanol:** Burning in nose and throat, coughing. Headache, dizziness, drowsiness, fatigue, nausea.

**Octylphenol Ethoxylates:** Coughing, shortness of breath.

##### Ingestion

**Butoxy Ethanol:** Headache, dizziness, drowsiness, fatigue, nausea, vomiting.

**Octylphenol Ethoxylates:** Nausea, vomiting, and diarrhea.

##### Skin

**Butoxy Ethanol:** Redness, pain and itching.

**Octylphenol Ethoxylates:** Irritation, local redness and swelling.

##### Eyes

**Butoxy Ethanol:** Redness, tearing, and pain.

**Octylphenol Ethoxylates:** Inflammating, tearing, blinking, redness, swelling of the conjunctiva, and chemical burns of the cornea.

#### 4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed

Unknown/not applicable.

### SECTION 5 – FIRE FIGHTING MEASURES

#### 5.1 Extinguishing media

Water spray, dry chemical, alcohol-resistant foam, or carbon dioxide.

#### 5.2 Special Hazards Arising from the Substance/Mixture

**Hazardous Combustion Products** – Thermal decomposition products may include carbon monoxide, carbon dioxide, and hydrocarbons.

**Hazardous Decomposition Products** – Combustion may produce toxic oxides of carbon and reactive hydrocarbons.

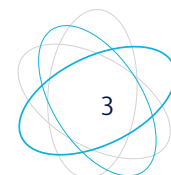
**Hazardous Polymeriation** – Will not occur under normal conditions of use (See Sections 10.4 & 10.5).

#### 5.3 Advice for Firefighters

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

#### 5.4 Further Information

No data available.



## SECTION 6 – ACCIDENTAL RELEASE MEASURES

### 6.1 Personal Precautions

Wear appropriate protective equipment as specified in Section 8.

### 6.2 Environmental Precautions

Prevent discharge into the environment. Dike spills and stop leakage where practical. Do not allow material to enter drains.

### 6.3 Methods and Materials for Containment and Cleaning Up

Contain and clean up spill immediately, prevent from entering floor drains. Contain liquids using absorbents. Shovel all spill materials into disposal drum.

### 6.4 References to Other Sections

For disposal information, see Section 13. For Protective clothing and equipment, see Section 8.

## SECTION 7 – HANDLING AND STORAGE

### 7.1 Precautions for Safe Handling

Avoid contact and inhalation. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling.

### 7.2 Conditions for Safe Storage (including any incompatibles)

Keep in a tightly closed container, stored in a cooled, dry, ventilated area. Protect from physical damage. Isolate from incompatible materials (section 10).

#### Incompatibles

**Butoxy Ethanol:** Strong oxidizing agents. Strong bases and salts of strong bases at elevated temperatures. Aluminum surfaces.

**Octylphenol Ethoxylates:** Strong oxidizing agents.

### 7.3 Specific End Uses

Investigational research by professional users.

## SECTION 8 – EXPOSURE CONTROLS/PERSONAL PRECAUTIONS

### 8.1 Control Parameters

**Component:** Butoxy Ethanol

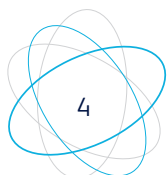
**ACGIH Threshold Limit Value (TLV):** 25 ppm (skin)

**OSHA Permissible Exposure Limit (PEL):** 25 ppm

**Component:** Octylphenol Ethoxylates

**ACGIH Threshold Limit Value (TLV):** 1 ppm

**OSHA Permissible Exposure Limit (PEL):** None established



## 8.2 Exposure Controls

### Engineering Controls

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source.

### Respiratory Protection

For conditions of use where exposure to the substance is apparent, consult an industrial hygienist. For emergencies, or instances where the exposure levels are not known, use a full-facepiece positive-pressure, air-supplied respirator.

### Eye Protection

Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

### Skin Protection

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.

## SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on Basic Physical & Chemical Properties

|  |                            |   |                   |
|--|----------------------------|---|-------------------|
| a. Appearance                                      | Clear, colorless liquid    | l. Vapor Density (Air = 1)                  | 1.0 (Air = 1)     |
| b. Odour   | None                       | m. Relative Density                         | 1.1               |
| c. Odour Threshold                                 | N/A                        | n. Water Solubility                         | Soluble           |
| d. pH  | No data                    | o. Partition Coefficient<br>n-octanol/water | Mixture           |
| e. Melting/Freezing Point (°C)                     | 0                          | p. Autoignition Temperature (°C)            | N/A               |
| f. Boiling point (°C)                              | 100                        | q. Decomposition Temperature (°C)           | N/A               |
| g. Flash Point (°C)                                | N/A                        | r. Viscosity                                | No data available |
| h. Evaporation Rate                                | 1.0 (H <sub>2</sub> O = 1) | s. Explosive Properties                     | N/A               |
| i. Flammability                                    | N/A                        | t. Oxidizing Properties                     | N/A               |
| j. Upper/Lower Flammability<br>or Explosive Limits | N/A                        |   |                   |
| k. Vapor Pressure                                  | 760 mm Hg                  |   |                   |

## SECTION 10 – STABILITY AND REACTIVITY

### 10.1 Reactivity

Material can be made to burn; combustion is generally not self-sustaining. Reacts with oxidizers.

### 10.2 Chemical Stability

Stable under ordinary conditions of use and storage.

### 10.3 Possibility of Hazardous Reactions

Will not occur under normal conditions of use (See Sections 10.4 & 10.5).

### 10.4 Conditions to Avoid

Heat, flame, incompatibles.

### 10.5 Incompatible Materials

**Butoxy Ethanol:** Strong oxidizing agents. Strong bases and salts of strong bases at elevated temperatures. Aluminium surfaces.

**Octylphenol Ethoxylates:** Strong oxidizing agents.

### 10.6 Hazardous Decomposition Products

Oxides of carbon, nitrogen, and sulfur.



## SECTION 11 – TOXICOLOGICAL INFORMATION

### Product LD50 Values

**Oral Rat LD50 (mg/kg)**

5556

**Dermal Rabbit LD50 (mg/kg)**

4444

### Component Cancer List Status

|                        | NTP Carcinogen |             | IARC Category |
|------------------------|----------------|-------------|---------------|
|                        | Known          | Anticipated |               |
| Butoxy Ethanol         | No             | No          | None          |
| Octylphenol Ethoxylate | No             | No          | None          |

### Potential Health Effects

#### Inhalation

**Butoxy Ethanol** – Vapors may cause irritation to the nose, throat, and respiratory tract and are toxic if inhaled.

**Octylphenol Ethoxylates:** Vapors or mist, in excess of permissible concentrations, or in unusually high concentrations generated from spraying, heating the material or as from exposure in poorly ventilated areas or confined spaces, may cause irritation to the nose and throat.

#### Ingestion

**Butoxy Ethanol** – Moderately toxic if ingested.

**Octylphenol Ethoxylates:** May cause abdominal discomfort, nausea, and diarrhea.

Aspiration into the lungs may occur during swallowing or vomiting, resulting in lung damage.

#### Skin

**Butoxy Ethanol** – Product is mildly irritating to the skin and toxic if absorbed through the skin.

**Octylphenol Ethoxylates:** Brief contact may cause slight irritation. Prolonged contact, as with clothing wetted with material, may cause more severe irritation and discomfort.

#### Eyes

**Butoxy Ethanol** – Causes severe eye irritation.

**Octylphenol Ethoxylates:** Can cause severe eye irritation.

#### Carcinogenicity

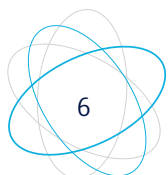
**Butoxy Ethanol** – Not listed as a known or anticipated carcinogen by NTP or IARC.

**Octylphenol Ethoxylates:** This product may contain residual (less than 100 ppm) concentrations of ethylene oxide. Ethylene oxide causes tumors in laboratory animals.

#### Mutagenicity

**Butoxy Ethanol** – No information found.

**Octylphenol Ethoxylates:** No information available.



**Reproductive Toxicity**

**Butoxy Ethanol** – Inhalation exposure of pregnant rabbits caused some lethality to the dam and fetus at 200 ppm, but there were no effects at 100 ppm and below. Inhalation exposure to pregnant rats caused irritancy to the dams and related fetotoxicity at 200 and 100 ppm, but there were no effects at 50 ppm and below.

**Octylphenol Ethoxylates:** No information available.

**Teratogenic Effects**

**Butoxy Ethanol** – Has not been shown to cause birth defects.

**Octylphenol Ethoxylates:** No information available.

**Routes of Entry**

**Butoxy Ethanol** – Inhalation, ingestion, skin contact.

**Octylphenol Ethoxylates:** No information available.

**Target Organ Statement**

**Butoxy Ethanol** – Pre-existing skin, eye, and lung disorders may be aggravated by exposure.

**Octylphenol Ethoxylates:** No information available.

**SECTION 12 – ECOLOGICAL INFORMATION****12.1 Toxicity**

**COMPONENT:** Butoxy Ethanol

|  | Vetebrates                          | Invertebrates                         | Algae                     | Micro-organisms                |
|--|-------------------------------------|---------------------------------------|---------------------------|--------------------------------|
| Aquatic Toxicity<br>(ppm unless otherwise noted) | LC50 (96 hr,<br>trout)<br>1464 mg/L | LC50 (48 hrs<br>daphnia)<br>1800 mg/L | EC50 (72 hrs)<br>911 mg/L | Toxicity Threshold<br>483 mg/L |

|  | Birds   | Anthropods | Plants  | Micro-organisms |
|--|---------|------------|---------|-----------------|
| Terrestrial Environment Toxicity<br>(ppm unless otherwise noted) | No data | No data    | No data | No data         |

**COMPONENT:** Octylphenol Ethoxylate

|  | Vetebrates | Invertebrates | Algae   | Micro-organisms |
|--|------------|---------------|---------|-----------------|
| Aquatic Toxicity<br>(ppm unless otherwise noted) | No data    | No data       | No data | No data         |

|  | Birds   | Anthropods | Plants  | Micro-organisms |
|--|---------|------------|---------|-----------------|
| Terrestrial Environment Toxicity<br>(ppm unless otherwise noted) | No data | No data    | No data | No data         |

## 12.2 Persistence and Degradability

**Butoxy Ethanol** – Readily biodegradable (90% in 28 days)

**Octylphenol Ethoxylate** – No data

## 12.3 Bioaccumulative Potential

**Butoxy Ethanol** – No data

**Octylphenol Ethoxylate** – No data

## 12.4 Mobility in Soil

**Butoxy Ethanol** – No data

**Octylphenol Ethoxylate** – No data

## 12.5 Results of PBT and vPvB Assessment

**Butoxy Ethanol** – Not PBT/vPvB

**Octylphenol Ethoxylate** – No data

## 12.6 Other Adverse Effects

**Butoxy Ethanol** – None

**Octylphenol Ethoxylate** – No data

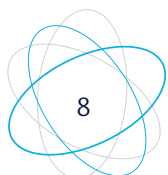
## SECTION 13 – DISPOSAL CONSIDERATIONS

### 13.1 Waste Treatment Methods

Offer surplus or non-recyclable product to licensed disposal company. Disposal is subject to user compliance with applicable law and product characteristics at time of disposal. Dispose of packaging as product.

## SECTION 14 – TRANSPORT INFORMATION

|                            | ADR/RID       | IATA          | IMO           | DOT           |
|----------------------------|---------------|---------------|---------------|---------------|
| 14.1 UN Number             | N/A           | N/A           | N/A           | N/A           |
| 14.2 Shipping Name         | Not regulated | Not regulated | Not regulated | Not regulated |
| 14.3 Hazard Class          | N/A           | N/A           | N/A           | N/A           |
| 14.4 Packing Group         | N/A           | N/A           | N/A           | N/A           |
| 14.5 Environmental Hazards | N/A           | N/A           | N/A           | N/A           |
| 14.6 Special Precautions   | N/A           | N/A           | N/A           | N/A           |





## SECTION 15 – REGULATORY INFORMATION

### 15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance/Mixture

#### United States

TSCA Regulatory Statement

All intentional ingredients are listed on the TSCA Inventory.

#### SARA 311/312 Hazard Categories

| Component                       | Fire | Pressure | Reactivity | Acute | Chronic |
|---------------------------------|------|----------|------------|-------|---------|
| Phenyl Xylyl Ethane (PXE)       | No   | No       | No         | Yes   | No      |
| Linear alkyl phenyl ethoxylates | No   | No       | No         | Yes   | No      |
| Butoxy Ethanol                  | Yes  | No       | No         | Yes   | No      |
| Octylphenol Ethoxylates         | No   | No       | No         | Yes   | No      |

#### Europe

EEC Regulatory

All intentional ingredients are listed on the European EINECS Inventory.

## SECTION 16 – OTHER INFORMATION

### Revisional Updates

4/26/2019 – Updated Sections 1.4

5/29/2015 – Updated Sections 2.1 and 3.2

11/22/2013 – Updated Sections 2, 3, 4, 7, 8, 10, 11, 12 and 15

9/7/2013 – Released Version 1.0

### NFPA Codes

Health N.D Flammability N.D Reactivity N.D

### Dangers

#### Butoxy Ethanol

**H302** – Harmful if swallowed

**H312** – Harmful in contact with skin.

**H315** – Causes skin irritation.

**H319** – Causes serious eye irritation.

**H332** – Harmful if inhaled.

#### Octylphenol Ethoxylates

**H302** – Harmful if swallowed

**H319** – Causes serious eye irritation.

**H411** – Toxic to aquatic life with long lasting effects.

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