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# **SECTION 1: Product and company identification**

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## **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

### Classification (GHS-US)

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### 2.2. Label elements

### **GHS-US labeling**

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#### 2.3. Other hazards

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## 2.4. Unknown acute toxicity (GHS US)

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## **SECTION 3: Composition/information on ingredients**

### 3.1. Substance

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## 3.2. Mixture

| Name                 | Product identifier | %   | Classification (GHS-US) |
|----------------------|--------------------|-----|-------------------------|
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## **SECTION 4: First aid measures**

### 4.1. Description of first aid measures

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### 4.2. Most important symptoms and effects, both acute and delayed

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## 4.3. Indication of any immediate medical attention and special treatment needed

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# **SECTION 5: Firefighting measures**

## 5.1. Extinguishing media

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5.2. Special hazards arising from the substance or mixture

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5.3. Advice for firefighters

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## **SECTION 6: Accidental release measures**

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

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6.1.1. For non-emergency personnel

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6.1.2. For emergency responders

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#### 6.2. Environmental precautions

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#### 6.3. Methods and material for containment and cleaning up

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### 6.4. Reference to other sections

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# **SECTION 7: Handling and storage**

#### 7.1. Precautions for safe handling

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### 7.2. Conditions for safe storage, including any incompatibilities

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# **SECTION 8: Exposure controls/personal protection**

#### 8.1. Control parameters

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### 8.2. Exposure controls

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# **SECTION 9: Physical and chemical properties**

### 9.1. Information on basic physical and chemical properties

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# Safety Data Sheet

Boiling point : No data available

Flash point : > 210 °F Tested using the liquid component of the towelette

Relative evaporation rate (butyl acetate=1) No data available Flammability (solid, gas) : No data available **Explosion limits** : No data available Explosive properties No data available : No data available Oxidizing properties Vapor pressure No data available : No data available Relative density Relative vapor density at 20 °C : No data available

Specific gravity / density : 1 g/ml Tested using the liquid component of the towelette

Solubility : Liquid component is soluble in water.

Log Pow : No data available
Log Kow : No data available
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Viscosity : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available

VOC content : < 0.5 % Tested using the liquid component of the towelette

# **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

Upon combustion: CO and CO2 are formed.

### 10.2. Chemical stability

No additional information available

## 10.3. Possibility of hazardous reactions

Refer to section 10.1 on Reactivity.

#### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## **SECTION 11: Toxicological information**

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

| Butyl 3-hydroxybutyrate (53605-94-0) |               |  |
|--------------------------------------|---------------|--|
| LD50 oral rat                        | > 5000 mg/kg  |  |
| LD50 dermal rat                      | > 5000 mg/kg  |  |
| LC50 inhalation rat (ppm)            | 0             |  |
| ATE CLP (gases)                      | 0.000 ppmV/4h |  |
| ATE CLP (vapors)                     | 0.000 mg/l/4h |  |

Skin corrosion/irritation : Not classified

pH: 4.5 - 6 Tested using the liquid component of the towelette

Serious eye damage/irritation : Not classified

pH: 4.5 - 6 Tested using the liquid component of the towelette

Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

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# Safety Data Sheet

Reproductive toxicity : Not classified
Specific target organ toxicity (single exposure) : Not classified
Specific target organ toxicity (repeated : Not classified

exposure)

Aspiration hazard : Not classified

Symptoms/injuries after inhalation : None under normal use.

Symptoms/injuries after skin contact : Contact during a long period may cause light irritation.

Symptoms/injuries after eye contact : Direct contact with the eyes is likely irritating.

Symptoms/injuries after ingestion : Gastrointestinal complaints.

# **SECTION 12: Ecological information**

### 12.1. Toxicity

| Butyl 3-hydroxybutyrate (53605-94-0) |            |
|--------------------------------------|------------|
| LC50 fish 1                          | > 100 mg/l |
| EC50 Daphnia 1                       | > 100 mg/l |

## 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

## **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

Waste treatment methods : Do not flush wipes.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

## **SECTION 14: Transport information**

## **Department of Transportation (DOT)**

In accordance with DOT: Not regulated for transport

**Additional information** 

Other information : No supplementary information available.

ADR

No additional information available

Transport by sea

UN-No. (IMDG) : Not regulated for transport

Air transport

UN-No.(IATA) : Not regulated for transport

## **SECTION 15: Regulatory information**

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.

This product or mixture does not contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

California Proposition 65 - This product does not contain substances known to the state of California to cause cancer and/or reproductive toxicity

### **SECTION 16: Other information**

## Full text of H-phrases:

| Eye Irrit. 2A | Serious eye damage/eye irritation Category 2A |
|---------------|---|
| H319          | Causes serious eye irritation                 |

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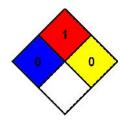
# Safety Data Sheet

NFPA health hazard : 0 - Exposure under fire conditions would offer no hazard beyond that of ordinary combustible

materials.

NFPA fire hazard : 1 - Must be preheated before ignition can occur.

NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



### Prepared by: Technical Department

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of this material.

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