

# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Product number** 873-001  
**Product name** **Tubby Disinfectant Foam Cleaner**  
**Effective date** 04-Aug-2009  
**Company information** DeSantis Janitor Supply Co.  
P.O. Box #100 Mead Ave.  
Meadville, PA 16335 United States  
**Company phone** General Assistance 1-814-724-2508  
**Emergency telephone US** 1-866-836-8855  
**Emergency telephone outside US** 703-527-3887  
**Version #** 07  
**Supersedes date** 18-Dec-2008

## 2. Hazards Identification

**Emergency overview** Aerosol. Will be easily ignited by heat, spark or flames. CONTENTS UNDER PRESSURE.  
Harmful in contact with eyes. Prolonged exposure may cause chronic effects.

**Potential health effects**

**Eyes** Contact may irritate or burn eyes. Eye contact may result in corneal injury.

**Skin** This product may be harmful if it is absorbed through the skin. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

**Inhalation** Intentional misuse by concentrating and inhaling the product can be harmful or fatal. Prolonged inhalation may be harmful.

**Ingestion** Exposure by ingestion of an aerosol is unlikely. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. May cause delayed lung damage.

**Target organs** Kidney.

2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged and may cause blood damage. These effects have not been observed in humans.  
Blood. Central nervous system. Liver. Respiratory system.

**Chronic effects** Conjunctiva. Liver injury may occur. Kidney injury may occur. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. May cause delayed lung damage.

## 3. Composition / Information on Ingredients

| Components   | CAS #    | Percent |
|--|----------|---------|
| 2-Butoxyethanol  | 111-76-2 | 3 - 5   |
| n-Butane   | 106-97-8 | 1 - 3   |
| Non-hazardous and other components below reportable levels |          | > 90    |

## 4. First Aid Measures

**First aid procedures**

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

**Skin contact** Wash off with warm water and soap. Get medical attention if irritation develops or persists.

**Inhalation** Move to fresh air. Call a physician if symptoms develop or persist.

**Ingestion**

Have victim rinse mouth thoroughly with water. Do not induce vomiting without medical advice. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

## 5. Fire Fighting Measures

**Extinguishing media****Suitable extinguishing media**

Large Fires: Water spray, fog or regular foam.

Small Fires: Dry chemical, CO<sub>2</sub>, water spray or regular foam.

**Protection of firefighters****Protective equipment and precautions for firefighters**

In the event of fire and/or explosion do not breathe fumes. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Containers should be cooled with water to prevent vapor pressure build up. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.

## 6. Accidental Release Measures

**Methods for containment**

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable.

**Methods for cleaning up**

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly.

## 7. Handling and Storage

**Handling**

Pressurized container: Do not pierce or burn, even after use. Do not handle or store near an open flame, heat or other sources of ignition. Do not use if spray button is missing or defective. Use only with adequate ventilation. Do not get this material in contact with eyes. Do not get this material in contact with skin. Avoid prolonged exposure.

**Storage**

Level 1 Aerosol.  
Contents under pressure. Do not puncture, incinerate or crush. The pressure in sealed containers can increase under the influence of heat. Avoid exposure to long periods of sunlight. Keep out of the reach of children.

## 8. Exposure Controls / Personal Protection

**Exposure limits****ACGIH****Components****CAS #****TWA****STEL****Ceiling**

2-Butoxyethanol

111-76-2

20 ppm

Not established

Not established

n-Butane

106-97-8

1000 ppm

Not established

Not established

**OSHA****Components****CAS #****TWA****STEL****Ceiling**

2-Butoxyethanol

111-76-2

50 ppm

Not established

Not established

**Personal protective equipment****Eye / face protection**

Wear chemical goggles.

**Skin protection**

Protective gloves.

**Respiratory protection**

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

## 9. Physical & Chemical Properties

**Appearance**

Compressed liquefied gas.

**Boiling point**

212 °F (100 °C) estimated

**Color**

Pale yellow

**Flammability (HOC)**

3.4133 kJ/g estimated

**Flash back**

No

|                         |                     |
|-------------------------|---------------------|
| <b>Flash point</b>      | -156 °F (-104.4 °C) |
| <b>Form</b>             | Aerosol.            |
| <b>Odor</b>             | fruity              |
| <b>pH</b>               | 11.76 - 12.76       |
| <b>Physical state</b>   | Liquid.             |
| <b>Pressure</b>         | 46 - 56 psig @70F   |
| <b>Solubility</b>       | Partially           |
| <b>Specific gravity</b> | 0.9789              |

### 10. Chemical Stability & Reactivity Information

|   |  |
|---|--|
| <b>Chemical stability</b>               | Risk of ignition. Stable at normal conditions. |
| <b>Conditions to avoid</b>              | Heat, flames and sparks.                       |
| <b>Incompatible materials</b>           | None known.                                    |
| <b>Hazardous decomposition products</b> | May include oxides of oxides of carbon.        |

### 11. Toxicological Information

|                       |  |
|-----------------------|--|
| <b>Acute effects</b>  | Acute LD50: 4536 mg/kg estimated, Rat, Dermal<br>Acute LC50: 44 mg/l/4h estimated, Rat, Inhalation |
| <b>Sensitization</b>  | Not expected to be hazardous by OSHA criteria.   |
| <b>Teratogenicity</b> | Not expected to be hazardous by OSHA criteria.   |

### 12. Ecological Information

|                    |   |
|--------------------|---|
| <b>Ecotoxicity</b> | LC50 1165 mg/L estimated, Fish, 96.00 Hours,<br>EC50 43604 mg/L estimated, Daphnia, 48.00 Hours,<br>IC50 86.05 mg/L estimated, Algae, 72.00 Hours,<br>Components of this product have been identified as having potential environmental concerns. |
|--------------------|---|

### 13. Disposal Considerations

|                              |  |
|------------------------------|--|
| <b>Waste codes</b>           | D001: Waste Flammable material with a flash point <140 F   |
| <b>Disposal instructions</b> | Contents under pressure. Do not allow this material to drain into sewers/water supplies. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose in accordance with all applicable regulations. |

### 14. Transport Information

#### Department of Transportation (DOT) Requirements

##### Basic shipping requirements:

|                                |                    |
|--------------------------------|--------------------|
| <b>Proper shipping name</b>    | Consumer commodity |
| <b>Hazard class</b>            | ORM-D              |
| <b>Subsidiary hazard class</b> | None               |

##### Additional information:

|                             |          |
|-----------------------------|----------|
| <b>Packaging exceptions</b> | 156, 306 |
| <b>Packaging non bulk</b>   | 156, 306 |
| <b>Packaging bulk</b>       | None     |

#### IMDG

##### Basic shipping requirements:

|                             |          |
|-----------------------------|----------|
| <b>Proper shipping name</b> | AEROSOLS |
| <b>Hazard class</b>         | 2.1      |
| <b>UN number</b>            | 1950     |

##### Additional information:

|                             |         |
|-----------------------------|---------|
| <b>Packaging exceptions</b> | LTD QTY |
| <b>Item</b>                 | 5F      |
| <b>Labels required</b>      | None    |
| <b>Transport Category</b>   | 2       |



**IATA****Basic shipping requirements:**

**Proper shipping name** Aerosols, flammable  
**Hazard class** 2.1  
**UN number** 1950  
**Additional information:**  
**Packaging exceptions** LTD QTY  
**Labels required** 2.1



|                                   |
|-----------------------------------|
| <b>15. Regulatory Information</b> |
|-----------------------------------|

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**U.S. - CERCLA/SARA - Section 313 - Emission Reporting**

|                 |          |  |
|-----------------|----------|--|
| 2-Butoxyethanol | 111-76-2 | 1.0 % de minimis concentration (applies to R-(OCH <sub>2</sub> CH <sub>2</sub> ) <sub>n</sub> -OR', where n = 1,2, or 3, R=alkyl C7 or less, or R = phenyl or alkyl substituted phenyl, R' = H or alkyl C7 or less, or OR' consisting of carboxylic acid ester, sulfate, phosphate, nitrate, or sulfonate, Chemical Category N230) |
|-----------------|----------|--|

**Occupational Safety and Health Administration (OSHA)**

**29 CFR 1910.1200 hazardous chemical** Yes

**CERCLA (Superfund) reportable quantity**

None

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**  
 Immediate Hazard - Yes  
 Delayed Hazard - Yes  
 Fire Hazard - Yes  
 Pressure Hazard - Yes  
 Reactivity Hazard - No

**Section 302 extremely hazardous substance** No

**Section 311 hazardous chemical** Yes

**Inventory status**

| Country(s) or region        | Inventory name   | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| China                       | Inventory of Existing Chemical Substances in China (IECSC) | No                     |
| Europe                      | European Inventory of New and Existing Chemicals (EINECS)  | No                     |
| Europe                      | European List of Notified Chemical Substances (ELINCS)     | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)   | No                     |
| Korea                       | Existing Chemicals List (ECL)                              | No                     |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory              | Yes                    |

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**State regulations****U.S. - Pennsylvania - RTK (Right to Know) List**

|                 |          |         |
|-----------------|----------|---------|
| 2-Butoxyethanol | 111-76-2 | Present |
| n-Butane        | 106-97-8 | Present |

|                              |
|------------------------------|
| <b>16. Other Information</b> |
|------------------------------|

**HMIS® ratings**

Health: 1\*  
 Flammability: 2  
 Physical hazard: 0  
 Personal protection: X

**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.

**MSDS sections updated**

Product and Company Identification: Product and Company Identification