



# SAFETY DATA SHEET

Issuing date 13-Oct-2011

Revision Date 05-Feb-2015

Version 1

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product name** Swisher Sani Kleen

### Other means of identification

**Product Code** 41760-32OZ

**Document** 41760-32OZ

### Recommended use of the chemical and restrictions on use

**Recommended use** Disinfectant

### Details of the supplier of the safety data sheet

#### **Distributor**

Swisher Hygiene Inc.  
4725 Piedmont Row Drive  
Suite 400  
Charlotte, NC 28210

### Emergency telephone number

**24 Hour Emergency Phone Number** CHEMTREC: 1-800-424-9300 (NORTH AMERICA)  
1-703-527-3887 (INTERNATIONAL)

**Company Phone Number** 800-444-4138

## 2. HAZARDS IDENTIFICATION

### Classification

#### **OSHA Regulatory Status**

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

|                                   |            |
|-----------------------------------|------------|
| Skin corrosion/irritation         | Category 2 |
| Serious eye damage/eye irritation | Category 1 |

### Label elements

#### **Emergency Overview**

**Danger**

#### **Hazard Statements**

Causes skin irritation  
Causes serious eye damage



**Appearance** Colorless Liquid      **Physical state** Liquid      **Odor** Sweet

#### Precautionary Statements - Prevention

- Wash face, hands and any exposed skin thoroughly after handling
- Wear protective gloves/protective clothing/eye protection/face protection

#### Precautionary Statements - Response

- Immediately call a POISON CENTER or doctor/physician
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
- IF ON SKIN: Wash with plenty of soap and water
- If skin irritation occurs: Get medical advice/attention
- Take off contaminated clothing and wash 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

#### Precautionary Statements - Storage

Store in a well-ventilated place

#### Precautionary Statements - Disposal

Dispose of contents/container to approved disposal facility

#### Hazards not otherwise classified (HNOC)

#### Other information

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

| Chemical Name   | CAS-No     | Weight-%   | Trade Secret |
|---|------------|------------|--------------|
| Tetrasodium EDTA  | 64-02-8    | 2.5% - 10% | *            |
| Quaternary ammonium compounds, C12-14-alkyl[(ethylphenyl)methyl]dimethyl, chlorides | 85409-23-0 | < 1        | *            |
| Diethylene glycol monobutyl ether   | 112-34-5   | 2.5% - 10% | *            |
| Alkyl (60 %C14 ,30 %C16,5 % C12 , 5 % C18)<br>Dimethyl Benzyl Ammonium Chloride     | 53516-76-0 | < 1        | *            |

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

### 4. FIRST AID MEASURES

#### First aid measures for different exposure routes

#### General advice

Show this safety data sheet to the doctor in attendance.

|                                   |  |
|-----------------------------------|--|
| <b>Eye contact</b>                | Immediately flush eye with plenty of cool, running water. Remove contact lenses if applicable, and continue flushing for at least 15 minutes, holding eyelids apart to ensure thorough rinsing of the entire eye. GET IMMEDIATE MEDICAL ATTENTION. |
| <b>Skin contact</b>               | Remove contaminated clothing immediately. Wash clothes before rewearing. Wash exposed area with soap & water. Seek medical attention.  |
| <b>Inhalation</b>                 | Remove to fresh air. Seek medical attention if symptoms persist.   |
| <b>Ingestion</b>                  | Drink promptly, a large quantity of water. Seek immediate medical attention or contact poison control center.  |
| <b>Protection of First-aiders</b> | Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.                                |

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

**Main Symptoms** The most important known symptoms and effects are described in the labelling in section 2 and/or in section 11.

**Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to physician** Probable mucosal damage may contraindicate the use of gastric lavage.

**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Water Fog, Foam, CO2 or Dry Chemical.

**Unsuitable Extinguishing Media** CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical**

No information available.

**Hazardous Combustion Products** Toxic hydrogen chloride, oxides of carbon & nitrogen.

**Explosion Data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Protective Equipment and Precautions for Firefighters**

Liquid is soluble in water & easily diluted.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Ensure adequate ventilation. Avoid contact with the skin and the eyes. Use personal protective equipment. Avoid breathing dust/fume/gas/mist/vapors/spray.

**Environmental precautions**

**Environmental precautions** See Section 12 for additional Ecological Information.

**Methods and materials for containment and cleaning up**

**Methods for Containment** Transfer contaminated absorbent, soil and other materials to containers for disposal.

**Methods for cleaning up** Stop spill or leak if it can be done safely. Contain spill to smallest possible area. Large spills should be recovered for disposal.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** KEEP OUT OF REACH OF CHILDREN. Open containers slowly to relieve any pressure. Empty containers may contain product residue. All safety precautions taken when handling this product should also be taken when handling empty drums and containers. Prevent formation of aerosols.

### Conditions for safe storage, including any incompatibilities

**Technical measures/Storage conditions** Store in a cool, dry area away from combustibles and reactive chemicals. Store away from sources of ignition.

**Incompatible products** Strong Oxidizers

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

**Exposure Guidelines** Review Section 3 & 4 for Exposure Guidelines.

| Chemical Name                                 | ACGIH TLV                                   | OSHA PEL | NIOSH IDLH |
|---|---|----------|------------|
| Diethylene glycol monobutyl ether<br>112-34-5 | TWA: 10 ppm inhalable fraction<br>and vapor | -        | -          |

NIOSH IDLH: *Immediately Dangerous to Life or Health*

### Appropriate engineering controls

**Engineering Measures** Ensure adequate ventilation and that running water is available for washing eyes and skin  
**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection** Splash-proof chemical goggles or face shield.

**Skin and body protection** Impervious rubber, alkali-proof protective gloves. Impervious rubber boots & apron..

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene measures** Do not eat, drink or smoke when using this product. Practice good personal hygiene. Wash after handling.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Physical and chemical properties

|                       |                  |                       |                          |
|-----------------------|------------------|-----------------------|--------------------------|
| <b>Physical state</b> | Liquid           | <b>Odor</b>           | Sweet                    |
| <b>Appearance</b>     | Colorless Liquid | <b>Odor Threshold</b> | No information available |
| <b>Color</b>          | Colorless        |                       |                          |

| <u>Property</u>               | <u>Values</u>            | <u>Remarks • Methods</u> |
|-------------------------------|--------------------------|--------------------------|
| <b>pH</b>                     | 11.8 - 12.5              |                          |
| <b>Melting/freezing point</b> | No information available | Liquid                   |

|   |                             |               |
|---|-----------------------------|---------------|
| <b>Boiling point/boiling range</b>            | 100 °C / 212 °F             |               |
| <b>Flash Point</b>                            | No information available    |               |
| <b>Evaporation rate</b>                       | No information available    |               |
| <b>Flammability (solid, gas)</b>              | No information available    |               |
| <b>Flammability Limits in Air</b>             |                             |               |
| <b>Upper flammability limit</b>               | No information available    |               |
| <b>Lower flammability limit</b>               | No information available    |               |
| <b>Vapor pressure</b>                         | No information available    | Same as water |
| <b>Vapor density</b>                          | No information available    | Same as water |
| <b>Specific Gravity</b>                       | 1.00-1.02 g/cm <sup>3</sup> |               |
| <b>Water solubility</b>                       | Completely Soluble          |               |
| <b>Solubility in other solvents</b>           | No information available    |               |
| <b>Partition coefficient: n-octanol/water</b> | No information available    |               |
| <b>Autoignition temperature</b>               | No information available    |               |
| <b>Decomposition temperature</b>              | No information available    |               |
| <b>Viscosity, kinematic</b>                   | No information available    |               |
| <b>Viscosity, dynamic</b>                     | No information available    |               |
| <b>Explosive properties</b>                   | No information available    |               |
| <b>Oxidizing Properties</b>                   | No information available    |               |

**Other information**

|                           |                          |
|---------------------------|--------------------------|
| <b>Softening point</b>    | No information available |
| <b>Molecular Weight</b>   | No information available |
| <b>VOC Content(%)</b>     | No information available |
| <b>Density VALUE</b>      | No information available |
| <b>Bulk Density VALUE</b> | No information available |

## 10. STABILITY AND REACTIVITY

**Chemical stability**

Stable.

**Possibility of hazardous reactions**

Reacts with many consumer products, releasing chlorine or chlorine oxide gas. Reacts with strong acids and oxidizing agents. Toxic fumes may be released if heated above the decomposition point.

**Conditions to Avoid**

High Temperatures.

**Incompatible Materials**

Strong Oxidizers .

**Hazardous Decomposition Products**

Toxic hydrogen chloride, oxides of carbon &amp; nitrogen.

## 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**

|                            |  |
|----------------------------|--|
| <b>Product Information</b> | Causes serious eye damage Causes skin irritation   |
| <b>Inhalation</b>          | Inhalation of vapors in high concentration may cause irritation of the respiratory system. |
| <b>Eye contact</b>         | Corrosive to the eyes and may cause severe damage including blindness.                     |
| <b>Skin contact</b>        | Causes skin irritation.  |
| <b>Ingestion</b>           | Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.            |

| Chemical Name | Oral LD50 | Dermal LD50 | LC50 Inhalation |
|---------------|-----------|-------------|-----------------|
|---------------|-----------|-------------|-----------------|

|   |  |                         |   |
|---|--|-------------------------|---|
| Tetrasodium EDTA<br>64-02-8                   | = 1658 mg/kg ( Rat ) = 10 g/kg ( Rat ) | -                       | - |
| Diethylene glycol monobutyl ether<br>112-34-5 | = 3384 mg/kg ( Rat )                   | = 2700 mg/kg ( Rabbit ) | - |

**Information on toxicological effects**

**Symptoms** No information available.

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

**Sensitization** No information available.  
**Mutagenic effects** No information available.  
**Carcinogenicity** Contains no ingredient listed as a carcinogen.  
**Reproductive toxicity** No information available.  
**STOT - single exposure** No information available.  
**STOT - repeated exposure** No information available.  
**Aspiration hazard** No information available.

**Numerical measures of toxicity - Product Information****12. ECOLOGICAL INFORMATION****Ecotoxicity**

| Chemical Name                                 | Algae/aquatic plants                            | Fish  | Crustacea   |
|---|---|---|---|
| Tetrasodium EDTA<br>64-02-8                   | 1.01: 72 h Desmodesmus<br>subspicatus mg/L EC50 | 59.8: 96 h Pimephales promelas<br>mg/L LC50 static 41: 96 h Lepomis<br>macrochirus mg/L LC50 static | -   |
| Diethylene glycol monobutyl ether<br>112-34-5 | 100: 96 h Desmodesmus<br>subspicatus mg/L EC50  | 1300: 96 h Lepomis macrochirus<br>mg/L LC50 static  | 2850: 24 h Daphnia magna mg/L<br>EC50 >100: 48 h Daphnia magna<br>mg/L EC50 |

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS****Waste treatment**

**Waste Disposal Methods** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Do not reuse container.

**14. TRANSPORT INFORMATION**

**DOT** Not regulated  
**Proper shipping name** Cleaning Compound, Not Regulated

## 15. REGULATORY INFORMATION

### International Inventories

|               |   |
|---------------|---|
| TSCA          | - |
| DSL/NDSL      | - |
| EINECS/ELINCS | - |
| ENCS          | - |
| IECSC         | - |
| KECL          | - |
| PICCS         | - |
| AICS          | - |

### Legend:

**TSCA** - All components of this product are listed or are exempt or excluded from listing on the 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 Commercial Chemical Substances/EU 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

### U.S. 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:

| Chemical Name                                | SARA 313 - Threshold Values % |
|--|-------------------------------|
| Diethylene glycol monobutyl ether - 112-34-5 | 1.0                           |

#### 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  |

#### 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.

### U.S. State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

**U.S. State Right-to-Know Regulations**

This product contains substances regulated by state right-to-know regulations.

| Chemical Name                                 | New Jersey | Massachusetts | Pennsylvania |
|---|------------|---------------|--------------|
| Diethylene glycol monobutyl ether<br>112-34-5 | X          | -             | X            |

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION**

|                    |                  |                |                    |                                 |
|--------------------|------------------|----------------|--------------------|---------------------------------|
| <b><u>NFPA</u></b> | Health Hazards 2 | Flammability 0 | Instability 0      | Physical and chemical hazards - |
| <b><u>HMIS</u></b> | Health hazard 2  | Flammability 0 | Physical Hazards 0 | Personal protection X           |

Prepared By Swisher Hygiene Inc.  
4725 Piedmont Row Drive  
Suite 400  
Charlotte, NC 28210

Issuing date 13-Oct-2011  
Revision Date 05-Feb-2015

Revision Note

2

**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**