



SAFETY DATA SHEET

Issuing date 08-Nov-2011

Revision Date 20-Apr-2015

Version 2

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

Product identifier

Product name Swisher Foaming Germicidal Cleaner

Other means of identification

Product Code 41829
UN/ID No UN1950
Document 41829
EPA Registration Number 706-65-72802

Recommended use of the chemical and restrictions on use

Recommended use Aerosol- 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)

| | |
|-----------------------------------|------------|
| Serious eye damage/eye irritation | Category 2 |
| Flammable aerosols | Category 1 |

Label elements

Emergency Overview

Danger

Hazard Statements

Causes serious eye irritation
Extremely flammable aerosol



Appearance Aerosol Spray**Physical state** Aerosol**Odor** No information available**Precautionary Statements - Prevention**

- Wash face, hands and any exposed skin thoroughly after handling
- Wear protective gloves/protective clothing/eye protection/face protection
- Keep away from heat/sparks/open flames/hot surfaces. — No smoking
- Pressurized container: Do not pierce or burn, even after use
- Do not spray on an open flame or other ignition source

Precautionary Statements - Response

- IF exposed or concerned: Get medical advice/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 advice/attention
- IF ON SKIN: Wash with plenty of soap and water
- IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
- IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell

Precautionary Statements - Storage

Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

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 | 1% - 2.5% | * |
| N-Butane | 106-97-8 | 1% - 2.5% | * |
| Benzalkonium chloride | 8045-21-4 | .115% | * |
| Alkyl (60 %C14 ,30 %C16,5 % C12 , 5 % C18) Dimethyl Benzyl Ammonium Chloride | 53516-76-0 | .115% | * |
| 2-Butoxyethanol | 111-76-2 | 2.5% - 10% | * |

*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. Call a poison control center or doctor for treatment advice. Have the product containers or label with you when calling a poison control center or doctor, or going for treatment.

Eye contact

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes.

Skin contact

Rinse skin immediately with plenty of water for 15-20 minutes. Take off contaminated clothing.

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|-------------------|---|
| Inhalation | Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. |
| 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. |

Most important symptoms/effects, acute and delayed

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| Main Symptoms | The most important known symptoms and effects are described in the labelling in section 2 and/or in section 11. |
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Indication of immediate medical attention and special treatment needed, if necessary

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| Notes to physician | Treat symptomatically. |
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5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

For large fires: Water spray, fog, or foam. For small fires: Dry chemical, Carbon dioxide, water spray, or foam.

Unsuitable Extinguishing Media Do not use a solid water stream as it may scatter and spread fire.

Specific hazards arising from the chemical

Contents under pressure. Pressurized container may explode when exposed to heat or flame.

Hazardous Combustion Products May include Nitrous Oxide.

Explosion Data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

Protective Equipment and Precautions for Firefighters

In the event of fire and/or explosion do not breathe fumes. Wear full protective clothing, precautions for firefighters 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 the area and let fire burn.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

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| Personal precautions | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. |
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Environmental precautions

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| Environmental precautions | Prevent entry into waterways, sewers, basements or confined areas. |
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Methods and materials for containment and cleaning up

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| 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.. |
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| Methods for cleaning up | Should not be released into the environment. |
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Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling

Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Ground and bond containers when transferring material. Do not re-use empty containers. Do not get this material in contact with skin. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Technical measures/Storage conditions

Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Store in a well-ventilated place. Refrigeration recommended. Store away from incompatible materials (see Section 10 of the SDS). Level 1 Aerosol (NFPA 30B).

Incompatible products

Acids. Oxidizing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines

Review Section 3 & 4 for Exposure Guidelines.

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|-----------------------------|----------------|---|--|
| N-Butane 106-97-8 | STEL: 1000 ppm | - | TWA: 800 ppm TWA: 1900 mg/m ³ |
| 2-Butoxyethanol 111-76-2 | TWA: 20 ppm | TWA: 50 ppm TWA: 240 mg/m ³ S* | IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m ³ |

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

Safety glasses with side-shields. Tightly fitting safety goggles.

Skin and body protection

Wear appropriate chemical resistant gloves.

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

Physical state

Aerosol

| | | | |
|---|-----------------------------|--------------------------|--------------------------|
| Appearance | Aerosol Spray | Odor | No information available |
| Color | No information available | Odor Threshold | No information available |
| Property | Values | Remarks • Methods | |
| pH | No information available | | |
| Melting/freezing point | NE | | |
| Boiling point/boiling range | 100 °C / 212 °F | | |
| Flash Point | 104 °C / -156 °F | | |
| Evaporation rate | No information available | | |
| Flammability (solid, gas) | No information available | | |
| Flammability Limits in Air | | | |
| Upper flammability limit | No information available | | |
| Lower flammability limit | No information available | | |
| Vapor pressure | 55 - 75 psig @70F estimated | | |
| Vapor density | No information available | | |
| Specific Gravity | 0.979 | | |
| Water solubility | No information available | | |
| Solubility in other solvents | No information available | | |
| Partition coefficient: n-octanol/water | No information available | | |
| Autoignition temperature | No information available | | |
| Decomposition temperature | No information available | | |
| Viscosity, kinematic | No information available | | |
| Viscosity, dynamic | No information available | | |
| Explosive properties | No information available | | |
| Oxidizing Properties | No information available | | |

Other information

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

10. STABILITY AND REACTIVITY**Chemical stability**

Material is stable under normal conditions. Risk of ignition.

Possibility of hazardous reactions

Reacts violently with strong acids. This product may react with oxidizing agents.

Conditions to Avoid

Heat, flames and sparks. Do not mix with other chemicals. Contact with incompatible materials.

Incompatible Materials

Acids. Oxidizing agents.

Hazardous Decomposition Products

May include Nitrous Oxide.

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

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|----------------------------|---|
| Product Information | Causes serious eye irritation |
| Inhalation | Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal. May cause central nervous system depression with nausea, headache, dizziness, and incoordination. |
| Eye contact | Causes serious eye irritation. |
| Skin contact | May be absorbed through the skin in harmful amounts. |
| Ingestion | Exposure by ingestion of an aerosol is unlikely. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |

| Chemical Name | Oral LD50 | Dermal LD50 | LC50 Inhalation |
|-----------------------------|--|-----------------------|------------------------------------|
| Tetrasodium EDTA 64-02-8 | = 1658 mg/kg (Rat) = 10 g/kg (Rat) | - | - |
| N-Butane 106-97-8 | - | - | = 658 g/m ³ (Rat) 4 h |
| 2-Butoxyethanol 111-76-2 | = 470 mg/kg (Rat) | = 99 mg/kg (Rabbit) | = 450 ppm (Rat) 4 h |

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 The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|-----------------------------|-------|---------|-----|------|
| 2-Butoxyethanol 111-76-2 | A3 | Group 3 | - | - |

ACGIH: (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC: (International Agency for Research on Cancer)

Group 3 - Not Classifiable as to Carcinogenicity in Humans

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Chronic toxicity 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. Prolonged skin contact may defat the skin and produce dermatitis.

Aspiration hazard No information available.

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

| Chemical Name | Algae/aquatic plants | Fish | Crustacea |
|-----------------------------|--|---|---|
| Tetrasodium EDTA 64-02-8 | 1.01: 72 h Desmodesmus subspicatus mg/L EC50 | 59.8: 96 h Pimephales promelas mg/L LC50 static 41: 96 h Lepomis macrochirus mg/L LC50 static | - |
| 2-Butoxyethanol 111-76-2 | - | 1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50 | 1698 - 1940: 24 h Daphnia magna mg/L EC50 >1000: 48 h Daphnia magna mg/L EC50 |

Persistence and degradability

No information available.

Bioaccumulation

No information available.

| Chemical Name | Partition coefficient |
|-----------------------------|-----------------------|
| N-Butane 106-97-8 | 2.89 |
| 2-Butoxyethanol 111-76-2 | 0.81 |

Other adverse effects No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment

| | |
|-------------------------------|--|
| Waste Disposal Methods | Contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance on proper disposal of waste product. |
| Contaminated packaging | Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers. |

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| 14. TRANSPORT INFORMATION |
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| Note | This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity. Until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently. |
| DOT | Regulated |
| UN/ID No | UN1950 |
| Proper shipping name | Aerosols Flammable |
| Hazard class | 2.2 |
| Emergency Response Guide Number | 126 |

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| 15. REGULATORY INFORMATION |
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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 % |
|----------------------------|-------------------------------|
| 2-Butoxyethanol - 111-76-2 | 1.0 |

SARA 311/312 Hazard Categories

| | |
|--|-----|
| Acute Health Hazard | Yes |
| Chronic Health Hazard | no |
| Fire Hazard | Yes |
| Sudden Release of Pressure Hazard | Yes |
| 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 |
|-----------------------------|------------|---------------|--------------|
| N-Butane 106-97-8 | X | X | X |
| 2-Butoxyethanol 111-76-2 | X | X | X |

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

EPA Statement

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

EPA Pesticide Label

CAUTION: Causes moderate eye irritation. Harmful if absorbed through the skin. Harmful if inhaled.

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| 16. OTHER INFORMATION |
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|-------------|-------------------------|-----------------------|---------------------------|--|
| NFPA | Health Hazards 1 | Flammability 4 | Instability 0 | Physical and chemical hazards - |
| HMIS | Health hazard 1 | Flammability 4 | Physical Hazards 0 | Personal protection X |

Prepared By Swisher Hygiene Inc.
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Revision Note

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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