



Material Safety Data Sheet

Issuing date 06-Oct-2011

Revision Date 10-Oct-2011

Version 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product name Swisher Bartender
Product code 41732-1
Recommended Use Low Suds Bar Soap

Distributor

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

Chemical Emergency Phone Number 800-424-9300 (Chemtrec)

Company Emergency Phone Number 800-444-4138

2. HAZARDS IDENTIFICATION

Emergency Overview

This product contains substances which at their given concentration, are considered to be hazardous to health.

Appearance Clear Liquid **Physical state** liquid. **Odor** Slight

Potential Health Effects

Acute toxicity

Eyes Corrosive. Prolonged contact may cause eye damage
Skin Corrosive; May cause severe burns
Inhalation May cause irritation of respiratory tract
Ingestion Can cause nausea and burns to mouth, throat and stomach.

Chronic Effects No known effect based on information supplied

Aggravated Medical Conditions None known.

Environmental hazard See Section 12 for additional Ecological Information

3. COMPOSITION/INFORMATION ON INGREDIENTS

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

| Chemical Name | CAS-No | Weight % |
|-------------------------------------|------------|----------|
| Ethanolamine | 141-43-5 | <1 |
| Dipropylene glycol monomethyl ether | 34590-94-8 | <2 |
| Tetrasodium EDTA | 64-02-8 | <2 |
| Propanol | 71-23-8 | < 2 |

| | | |
|------------------------------|-----------|----|
| Tetrapotassium pyrophosphate | 7320-34-5 | <2 |
|------------------------------|-----------|----|

4. FIRST AID MEASURES

| | |
|---------------------------|---|
| Eye contact | Flush with flowing water for 15 minutes & see physician. |
| Skin contact | Wash contaminated area with soap or mild detergent. Remove contaminated clothing and shoes. Wash clothing before reuse. Get medical attention. |
| Inhalation | Remove to fresh air. If breathing has stopped, apply suitable artificial respiration. Get medical help. |
| Ingestion | If product is swallowed, do not induce vomiting. If vomiting occurs keep head lower than hips to help prevent aspiration. Never give anything by mouth to an unconscious person. Get medical attention at once. |
| Notes to physician | Treat symptomatically |

5. FIRE-FIGHTING MEASURES

| | | | | |
|--|--|-----------------------|--------------------------|--|
| Flammable Properties | Not flammable | | | |
| Flash point | none | | | |
| Suitable Extinguishing Media | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment | | | |
| Explosion Data | | | | |
| Sensitivity to Mechanical Impact | none | | | |
| Sensitivity to Static Discharge | none | | | |
| Protective Equipment and Precautions for Firefighters | use water vapor, foam or fog. Firefighters should wear proper protective equipment. | | | |
| NFPA | Health Hazard 0 | Flammability 0 | Stability 0 | Physical and chemical hazards - |
| HMIS | Health Hazard 2 | Flammability 0 | Physical Hazard 0 | Personal protection X |

6. ACCIDENTAL RELEASE MEASURES

| | |
|----------------------------------|---|
| Personal precautions | Ensure adequate ventilation |
| Environmental precautions | Try to prevent the material from entering drains or water courses |
| Methods for Containment | Prevent further leakage or spillage if safe to do so |
| Methods for cleaning up | Wear appropriate protective equipment Absorb with an inert material and put spilled material in appropriate waste disposal |

7. HANDLING AND STORAGE

| | |
|--|---|
| Advice on safe handling | KEEP OUT OF REACH OF CHILDREN Avoid contact with skin, eyes and clothing Avoid breathing vapors or mists Keep container closed Wash thoroughly after handling |
| Technical measures/Storage conditions | Keep containers tightly closed in a cool, well-ventilated place Store away from incompatible materials |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines Review Section 3 & 4 for Exposure Guidelines.

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---|-------------------------------|---|---|
| Ethanolamine 141-43-5 | STEL: 6 ppm TWA: 3 ppm | TWA: 3 ppm TWA: 6 mg/m ³ | IDLH: 30 ppm TWA: 3 ppm TWA: 8 mg/m ³ STEL: 6 ppm STEL: 15 mg/m ³ |
| Dipropylene glycol monomethyl ether 34590-94-8 | STEL: 150 ppm TWA: 100 ppm | TWA: 100 ppm TWA: 600 mg/m ³ S* | IDLH: 600 ppm TWA: 100 ppm TWA: 600 mg/m ³ STEL: 150 ppm STEL: 900 mg/m ³ |
| Propanol 71-23-8 | TWA: 100 ppm | TWA: 200 ppm TWA: 500 mg/m ³ | IDLH: 800 ppm TWA: 200 ppm TWA: 500 mg/m ³ STEL: 250 ppm STEL: 625 mg/m ³ |

Engineering Measures Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment Institutional Environment

Eye/Face Protection Safety glasses are suggested when using this product in heavy use and institutional environments.

Consumer Environments Care should be taken to avoid Eye contact.

Skin and body protection Rubber gloves

Respiratory protection Unnecessary in open institutional environment.

Hygiene measures Practice good personal hygiene. Wash after handling.

Personal Protective Equipment Industrial Environment

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 Practice good personal hygiene. Wash after handling. Shower at end of work period
Practice good personal hygiene. Wash after handling

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| | | | |
|------------------------------------|---------------|--------------------------|--------------------------|
| Physical state | liquid | | |
| Appearance | Clear Liquid | Odor | Slight |
| Color | pink | Odor Threshold | No information available |
| Property | Values | Remarks | Methods |
| pH | 9-11 | No information available | |
| Melting/freezing point | | No information available | |
| Freezing Point | | No information available | |
| Boiling point/boiling range | 212 °F | No information available | |
| Flash Point | | No information available | |
| Evaporation rate | >1 | No information available | |
| Flammability (solid, gas) | | No information available | |
| Flammability Limits in Air | | No information available | |
| upper flammability limit | | | |
| lower flammability limit | | | |

Explosion Limits

upper
lower

| | | |
|--|--------------------------|--------------------------|
| Vapor pressure | | No information available |
| Vapor density | | No information available |
| Specific Gravity | 1.01-1.03 | No information available |
| Water solubility | Completely soluble. | 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 | |

9.2 Other information

| | |
|--------------------|--------------------------|
| Softening point | No information available |
| Molecular Weight | No information available |
| VOC Content(%) | <5 |
| Density VALUE | No information available |
| Bulk Density VALUE | No information available |

10. STABILITY AND REACTIVITY

| | |
|---|---|
| Stability | Stable |
| Incompatible products | oxidizing agents, strong acids |
| Conditions to Avoid | None known based on information supplied |
| Hazardous Decomposition Products | If burned, normal combustion products: Carbon Dioxide, Carbon Monoxide. |
| Hazardous Polymerization | Hazardous polymerization does not occur |

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Product Information Product does not present an acute toxicity hazard based on known or supplied information.

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|-------------------------------------|--------------------|--|-----------------------|
| Ethanolamine | 1720 mg/kg (Rat) | 1 mL/kg (Rabbit) 1025 mg/kg (Rabbit) | |
| Dipropylene glycol monomethyl ether | 5230 mg/kg (Rat) | 9500 mg/kg (Rabbit) | |
| Tetrasodium EDTA | 10 g/kg (Rat) | | |
| Propanol | 1870 mg/kg (Rat) | | 13548 ppm (Rat) 4 h |
| Tetrapotassium pyrophosphate | | 4640 mg/kg (Rabbit) | |

Chronic toxicity

Target Organ Effects None known.

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated

| Chemical Name | Toxicity to algae | Toxicity to fish | Toxicity to microorganisms | Toxicity to daphnia and other aquatic invertebrates |
|-------------------------------------|---|---|---|---|
| Ethanolamine | 15: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 | 114 - 196: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static 300 - 1000: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 227: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through 3684: 96 h <i>Brachydanio rerio</i> mg/L LC50 static 200: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 flow-through | EC50 = 110 mg/L 17 h EC50 = 12200 mg/L 2 h EC50 = 13.7 mg/L 30 min | 65: 48 h <i>Daphnia magna</i> mg/L EC50 |
| Dipropylene glycol monomethyl ether | | 10000: 96 h <i>Pimephales promelas</i> mg/L LC50 static | | |
| Tetrasodium EDTA | 1.01: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 | 41: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 59.8: 96 h <i>Pimephales promelas</i> mg/L LC50 static | | |
| Propanol | | 4480: 96 h <i>Pimephales promelas</i> mg/L LC50 flow-through | EC50 = 17700 mg/L 5 min EC50 = 45000 mg/L 5 h EC50 = 8686 mg/L 15 min EC50 = 980 mg/L 12 h | 3339 - 3977: 48 h <i>Daphnia magna</i> mg/L EC50 Static 3642: 48 h <i>Daphnia magna</i> mg/L EC50 |
| Tetrapotassium pyrophosphate | | 100: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 | | |

| Chemical Name | log Pow |
|---------------|---------|
| Ethanolamine | 0 |
| Propanol | 0.34 |

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods

Liquid wastes are not permitted in landfill. Consult local, state, and federal agencies for proper disposal in your area.

Contaminated packaging

Do not re-use empty containers

| Chemical Name | California Hazardous Waste Status |
|---------------|-----------------------------------|
| Propanol | Toxic Ignitable |

14. TRANSPORT INFORMATION

Note Cleaning Compound, Not Regulated

Dot Not regulated
Proper shipping name Cleaning Compound, Not Regulated

TDG Not regulated

MEX Not regulated

ICAO Not regulated

| | |
|-------------------|---------------|
| <u>ICAO/IATA</u> | Not regulated |
| <u>IMDG / IMO</u> | Not regulated |
| <u>RID</u> | Not regulated |
| <u>ADR/RID</u> | Not regulated |
| <u>ADN</u> | Not regulated |

15. REGULATORY INFORMATION

International Inventories

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

TSCA - 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 does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

| | |
|--|----|
| Acute Health Hazard | no |
| 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**International Regulations**

| Chemical Name | Carcinogen Status | Exposure Limits |
|-------------------------------------|-------------------|--|
| Ethanolamine | | Mexico: TWA 3 ppm Mexico: TWA 8 mg/m ³ Mexico: STEL 6 ppm Mexico: STEL 15 mg/m ³ |
| Dipropylene glycol monomethyl ether | | Mexico: TWA 100 ppm Mexico: TWA 60 mg/m ³ Mexico: STEL 150 ppm Mexico: STEL 900 mg/m ³ |
| Propanol | | Mexico: TWA 200 ppm Mexico: TWA 500 mg/m ³ Mexico: STEL 250 ppm Mexico: STEL 625 mg/m ³ |

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

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|------------------------------|
| 16. OTHER INFORMATION |
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|----------------------|---|
| Prepared By | Swisher Hygiene Inc. 4725 Piedmont Row Drive Suite 400 Charlotte, NC 28210 |
| Issuing date | 06-Oct-2011 |
| Revision Date | 10-Oct-2011 |
| Revision Note | No information available |
| Disclaimer | |

The information provided on this MSDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text

End of Material Safety Data Sheet