



# Material Safety Data Sheet

Issuing date 13-Oct-2011

Revision Date 25-Nov-2011

Version 1

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name** Swisher Lemon Shine Furniture Polish

**Product code** 41812

**Recommended Use** Aerosol- Furniture Polish

### 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

Aerosol. CONTENTS UNDER PRESSURE

**Appearance** Compressed liquefied gas. **Physical state** liquid, Aerosol. **Odor** Fruity, Lemon

### Potential Health Effects

#### Acute toxicity

**Eyes**

Health injuries are not known or expected under normal use.

**Skin**

Health injuries are not known or expected under normal use.

**Inhalation**

Intentional misuse by deliberately concentrating and inhaling contents may be harmful or fatal

**Ingestion**

No known effect based on information supplied

#### Chronic Effects

May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage.

#### Main Symptoms

Discomfort in the chest. Narcosis. Coughing.

#### Aggravated Medical Conditions

None known.

#### Environmental hazard

See Section 12 for additional Ecological Information

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

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

| Chemical Name | CAS-No | Weight % |
|---------------|--------|----------|
|---------------|--------|----------|

|          |          |    |
|----------|----------|----|
| N-Butane | 106-97-8 | <3 |
| Propane  | 74-98-6  | <3 |

#### 4. FIRST AID MEASURES

|                           |   |
|---------------------------|---|
| <b>Eye contact</b>        | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately. |
| <b>Skin contact</b>       | Immediately take off all contaminated clothing. Rinse skin with water.  |
| <b>Inhalation</b>         | Move to fresh air. Get medical attention if irritation persists.  |
| <b>Ingestion</b>          | If ingestion of a large amount does occur, call a poison control center immediately.  |
| <b>Notes to physician</b> | Treat symptomatically   |

#### 5. FIRE-FIGHTING MEASURES

|  |   |                       |                          |  |
|--|---|-----------------------|--------------------------|--|
| <b>Flammable Properties</b>                                  | Vapor or gas may spread to distant ignition sources and flash back. Runoff to sewer may cause fire or explosion hazard.   |                       |                          |  |
| <b>Flash point</b>   | 156 °F 104.4 °C   |                       |                          |  |
| <b>Suitable Extinguishing Media</b>                          | Water Fog, Foam, CO2 or Dry Chemical.   |                       |                          |  |
| <b>Explosion Data</b>  |   |                       |                          |  |
| <b>Sensitivity to Mechanical Impact</b>                      | none  |                       |                          |  |
| <b>Sensitivity to Static Discharge</b>                       | none  |                       |                          |  |
| <b>Protective Equipment and Precautions for Firefighters</b> | 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. |                       |                          |  |
| <b>NFPA</b>  | <b>Health Hazard</b> 0  | <b>Flammability</b> 0 | <b>Stability</b> 0       | <b>Physical and chemical hazards</b> - |
| <b>HMIS</b>  | <b>Health Hazard</b> 1  | <b>Flammability</b> 2 | <b>Physical Hazard</b> 0 | <b>Personal protection</b> -           |

#### 6. ACCIDENTAL RELEASE MEASURES

|                                  |   |
|----------------------------------|---|
| <b>Personal precautions</b>      | Ensure adequate ventilation   |
| <b>Environmental precautions</b> | Try to prevent the material from entering drains or water courses   |
| <b>Methods for Containment</b>   | 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. Stop the flow of material, if this is without risk. Prevent entry into waterways, sewers, basements or confined areas. |
| <b>Methods for cleaning up</b>   | Transfer contaminated absorbent, soil and other materials to containers for disposal.   |

#### 7. HANDLING AND STORAGE

**Advice on safe 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 smoke while using or until sprayed surface is thoroughly dry. Use only in area provided with appropriate exhaust ventilation. Do not use if spray button is missing or defective. Avoid prolonged exposure. Level 1 Aerosol.

**Technical measures/Storage conditions** Contents under pressure. Do not puncture, incinerate or crush. The pressure in sealed containers can increase under the influence of heat. Do not handle or store near an open flame, heat or other sources of ignition. Do not expose to heat or store at temperatures above 120°F/49°C as can may burst. Avoid exposure to long periods of sunlight. Keep out of the reach of children. Level 1 Aerosol (NFPA 30B) Do not store, incinerate, or heat this material above 120 degrees Fahrenheit

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

| Chemical Name        | ACGIH TLV     | OSHA PEL                                  | NIOSH IDLH  |
|----------------------|---------------|---|---|
| N-Butane<br>106-97-8 | TWA: 1000 ppm |   | TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>                    |
| Propane<br>74-98-6   | TWA: 1000 ppm | TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup> | IDLH: 2100 ppm<br>TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup> |

**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

|                                    |                           |                          |                          |
|------------------------------------|---------------------------|--------------------------|--------------------------|
| <b>Physical state</b>              | liquid Aerosol            |                          |                          |
| <b>Appearance</b>                  | Compressed liquefied gas. | <b>Odor</b>              | Fruity Lemon             |
| <b>Color</b>                       | white                     | <b>Odor Threshold</b>    | No information available |
| <b>Property</b>                    | <b>Values</b>             | <b>Remarks</b>           | <b>Methods</b>           |
| <b>pH</b>                          | 9.87 - 10.87              | No information available |                          |
| <b>Melting/freezing point</b>      |                           | No information available |                          |
| <b>Freezing Point</b>              |                           | No information available |                          |
| <b>Boiling point/boiling range</b> | 86.1 °C 186.8 °F          | No information available |                          |

|   |                          |                          |
|---|--------------------------|--------------------------|
| <b>Flash Point</b>                            | 104.4 °C 156 °F          | No information available |
| <b>Evaporation rate</b>                       |                          | No information available |
| <b>Flammability (solid, gas)</b>              |                          | No information available |
| <b>Flammability Limits in Air</b>             |                          | No information available |
| upper flammability limit                      |                          |                          |
| lower flammability limit                      |                          |                          |
| <b>Explosion Limits</b>                       |                          |                          |
| upper   |                          |                          |
| lower   |                          |                          |
| <b>Vapor pressure</b>                         |                          | No information available |
| <b>Vapor density</b>                          |                          | No information available |
| <b>Specific Gravity</b>                       | 0.966                    | No information available |
| <b>Water solubility</b>                       |                          | No information available |
| <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 |                          |

**9.2 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

|   |  |
|---|--|
| <b>Stability</b>                        | Stable under recommended storage conditions. |
| <b>Incompatible products</b>            | None known based on information supplied     |
| <b>Conditions to Avoid</b>              | Heat, flames and sparks                      |
| <b>Hazardous Decomposition Products</b> | None known based on information supplied     |
| <b>Hazardous Polymerization</b>         | 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      |
|---------------|-----------|-------------|----------------------|
| N-Butane      |           |             | 658 mg/L ( Rat ) 4 h |
| Propane       |           |             | 658 mg/L ( Rat ) 4 h |

**Chronic toxicity**

**Chronic toxicity** May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage.

**Target Organ Effects** None known.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Components of this product have been identified as having potential environmental concerns.

| Chemical Name | log Pow |
|---------------|---------|
| N-Butane      | 2.89    |
| Propane       | 2.3     |

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Methods** This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements

**Contaminated packaging** Do not re-use empty containers

## 14. TRANSPORT INFORMATION

**Note** Consumer Commodity, ORM-D

**Dot** Regulated  
**Proper shipping name** Consumer Commodity, ORM-D

**TDG** Not regulated

**MEX** Not regulated

**ICAO** Not regulated

**ICAO/IATA** Not regulated

**IMDG / IMO** Not regulated

**RID** Not regulated

**ADR/RID** Not regulated

**ADN** Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

|               |          |
|---------------|----------|
| <b>TSCA</b>   | TSCA     |
| <b>DSL</b>    | Complies |
| <b>NDSL</b>   | Complies |
| <b>EINECS</b> | Complies |

|               |          |
|---------------|----------|
| <b>ELINCS</b> | -        |
| <b>ENCS</b>   | Complies |
| <b>IECSC</b>  | Complies |
| <b>KECL</b>   | Complies |
| <b>PICCS</b>  | Complies |
| <b>AICS</b>   | 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

|  |    |
|--|----|
| <b>Acute Health Hazard</b>               | no |
| <b>Chronic Health Hazard</b>             | no |
| <b>Fire Hazard</b>                       | no |
| <b>Sudden Release of Pressure Hazard</b> | no |
| <b>Reactive Hazard</b>                   | 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  |
|---------------|-------------------|--|
| N-Butane      |                   | Mexico: TWA 800 ppm Mexico: TWA 1900 mg/m <sup>3</sup> |

## 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.

## 16. OTHER INFORMATION

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

**Issuing date** 13-Oct-2011

**Revision Date** 25-Nov-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**