Material Safety Data Sheet

Issuing date 14-Nov-2011 **Revision Date** 14-Nov-2011 **Version** 1

1. PRODUCT AND COMPANY IDENTIFICATION

Product name **Swisher Air Freshener- Citrus Lemon**

Product code 40947
Recommended Use Aerosol- Air Freshener- Citrus Lemon Scent

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

FLAMMABLE

Aerosol. CONTENTS UNDER PRESSURE

Will be easily ignited by heat, spark or flames. Prolonged exposure may cause chronic effects

Appearance Compressed liquefied gas. **Physical state** liquid. **Odor** Characteristic

Potential Health Effects

Acute toxicity

Eyes Contact with eyes may cause irritation

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. May cause delayed lung damage. Components of the product may be absorbed into the body by ingestion.

Chronic Effects May cause delayed lung damage. Prolonged skin contact may defat the skin and produce dermatitis.

Main Symptoms Discomfort in the chest. Defatting of the skin. Irritation.

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 %
Non-hazardous and other components below reportable levels	Proprietary	1-2.5
N-Butane	106-97-8	10-15
Acetone	67-64-1	60-70
Propane	74-98-6	15-20

4. FIRST AID MEASURES

Eye contact Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Skin contact Immediately take off all contaminated clothing. Wash off with warm water and soap. Get medical attention if irritation develops or persists.

Inhalation Remove to fresh air. Seek medical attention if symptoms 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 In the unlikely event of swallowing contact a physician or poison control center

Notes to physician Symptoms may be delayed

5. FIRE-FIGHTING MEASURES

Flammable Properties Vapor or gas may spread to distant ignition sources and flash back. Runoff to sewer may cause fire or explosion hazard.

Flash point Flash point -156 °F -104.4 °C

Suitable Extinguishing Media Alcohol foam. Dry chemical. Carbon dioxide Do not use water jet

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.

NFPA	**Health Hazard** 0	**Flammability** 0	**Stability** 0	**Physical and chemical hazards** -
HMIS	**Health Hazard** 1*	**Flammability** 4	**Physical Hazard** 0	**Personal protection** -

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

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.

Methods for cleaning up

Should not be released into the environment. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.
Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surfacethoroughly.

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. 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.

Technical measures/Storage conditions

Level 3 Aerosol.
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. Avoid exposure to long periods of sunlight. Store in cool place. Keep in an area equipped with sprinklers. KEEP OUT OF THE REACH OF CHILDREN. 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 106-97-8	TWA: 1000 ppm		TWA: 800 ppm TWA: 1900 mg/m^3
Acetone 67-64-1	STEL: 750 ppm TWA: 500 ppm	TWA: 1000 ppm TWA: 2400 mg/m^3	IDLH: 2500 ppm TWA: 250 ppm TWA: 590 mg/m^3
Propane 74-98-6	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m^3	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 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 enviroment.

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 protecetive 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	Compressed liquefied gas.	**Odor**	Characteristic
Color	Pale yellow	**Odor Threshold**	No information available

Property	**Values**	**Remarks Methods**
pH		No information available
Melting/freezing point		No information available
Freezing Point		No information available
Boiling point/boiling range	26.1 °C 78.8 °F	No information available
Flash Point	-104.4 °C -156 °F	No information available
Evaporation rate		No information available
Flammability (solid, gas)		32.724 kJ/g estimated
Flammability Limits in Air		No information available
upper flammability limit		
lower flammability limit		
Explosion Limits		
upper		
lower		
Vapor pressure		60 - 70 psig @70°F
Vapor density		No information available
Specific Gravity		0.693 estimated
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		
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(%)	No information available
Density VALUE	0.6929 g/cm3 estimated/estimés/ estimado
Bulk Density VALUE	No information available

10. STABILITY AND REACTIVITY

Stability Risk of ignition.

Incompatible products None known based on information supplied

Conditions to Avoid Heat, flames and sparks

Hazardous Decomposition Products None known based on information supplied

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.

LD50 Dermal: **29145 mg/kg estimated, Rat, Dermal**
LC50 Inhalation: **106 mg/l/4h estimated, Rat, Inhalation**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
N-Butane			658 mg/L (Rat) 4 h
Acetone	5800 mg/kg (Rat)		
Propane			658 mg/L (Rat) 4 h

Chronic toxicity

Chronic toxicity May cause delayed lung damage. Prolonged skin contact may defat the skin and produce dermatitis.

Target Organ Effects None known.

12. ECOLOGICAL INFORMATION

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

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Acetone		4.74 - 6.33: 96 h Oncorhynchus mykiss mL/L LC50 6210 - 8120: 96 h Pimephales promelas mg/L LC50 static 8300: 96 h Lepomis macrochirus mg/L LC50	EC50 = 14500 mg/L 15 min	10294 - 17704: 48 h Daphnia magna mg/L EC50 Static 12600 - 12700: 48 h Daphnia magna mg/L EC50

Chemical Name	log Pow
N-Butane	2.89
Acetone	0
Propane	2.3

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods Contents under pressure. Dispose of this material and its container to hazardous or special waste collection point. Do not incinerate sealed containers. 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.

Contaminated packaging Do not re-use empty containers

US EPA Waste Number D001: Waste Flammable material with a flash point <140 F

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Acetone - 67-64-1		Included in waste stream: F039		U002

Chemical Name	California Hazardous Waste Status

Acetone	Ignitable

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 ICAO/IATA
UN/ID No UN1950
Proper shipping name Aerosols, flammable
Hazard class 2.1
Packing Group LTD QTY

IMDG / IMO IMDG / IMO
Proper shipping name Aerosols
Hazard class 2.1
UN/ID No UN1950
Packing Group LTD QTY

RID Not regulated

ADR/RID Not regulated

ADN Not regulated

15. REGULATORY INFORMATION

International Inventories

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

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	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

CERCLA (Superfund) reportable quantity
Acetone: 5000.0000

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Acetone	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

State regulations

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

Acetone 67-64-1 Environmental hazard
n-Butane 106-97-8 Present
Propane 74-98-6 Present

International Regulations

Chemical Name	Carcinogen Status	Exposure Limits
N-Butane		Mexico: TWA 800 ppm Mexico: TWA 1900 mg/m^3
Acetone		Mexico: TWA 1000 ppm Mexico: TWA 2400 mg/m^3 Mexico: STEL 1260 ppm Mexico: STEL 3000 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.

16. OTHER INFORMATION

Prepared By
Swisher Hygiene Inc.
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Suite 400
Charlotte, NC 28210

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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