



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Product number** 120-002P  
**Product name** **Lemon Lime Metered Air Freshener**  
**Effective date** 15-Jun-2010  
**Company information** Claire Manufacturing Co.  
500 Vista Ave.  
Addison, IL 60101 United States  
**Company phone** General Assistance 630-543-7600  
**Emergency telephone US** 800-424-9300  
**Emergency telephone outside US** 703-527-3887  
**Version #** 04  
**Supersedes date** 11-Jun-2010

## 2. Hazards Identification

**Emergency overview** Flammable. Aerosol. CONTENTS UNDER PRESSURE.  
Will be easily ignited by heat, spark or flames. Harmful in contact with eyes.

**Potential health effects**

**Eyes** Contact may irritate or burn 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 concentrating and inhaling the product can be harmful or fatal.

**Ingestion** Exposure by ingestion of an aerosol is unlikely.

**Target organs** Central nervous system.

**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.

**Signs and symptoms** Narcosis.

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
Acetone	67-64-1	70 - 80
Propane	74-98-6	10 - 15
n-Butane	106-97-8	10 - 15
Diethylene Glycol Monoethyl Ether	111-90-0	1 - 3
Non-hazardous and other components below reportable levels		2.5 - 10

## 4. First Aid Measures

**First aid procedures**

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

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

**Inhalation** If symptoms develop move victim to fresh air. Get medical attention if symptoms persist.

**Ingestion** If ingestion of a large amount does occur, seek medical attention.

## 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.

**Extinguishing media**

**Suitable extinguishing media** Water fog. Foam. Alcohol foam. Dry chemical. Carbon dioxide (CO<sub>2</sub>).

## Protection of firefighters

### Protective equipment and precautions for firefighters

In case of fire and/or explosion do not breathe fumes. Containers should be cooled with water to prevent vapor pressure build up.

## 6. Accidental Release Measures

### Methods for containment

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.

### Methods for cleaning up

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 surface thoroughly to remove residual contamination.

## 7. Handling and Storage

### Handling

Pressurized container: Do not pierce or burn, even after use. 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. Do not re-use empty containers. Avoid prolonged exposure.

### Storage

Contents under pressure. Do not puncture, incinerate or crush. The pressure in sealed containers can increase under the influence of heat. Keep away from heat and 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. Keep away from food, drink and animal feedingstuffs. Level 3 Aerosol.

## 8. Exposure Controls / Personal Protection

### Exposure limits

#### ACGIH

##### Components

##### CAS #

##### TWA

##### STEL

##### Ceiling

Acetone

67-64-1

500 ppm

750 ppm

Not established

Propane

74-98-6

1000 ppm

Not established

Not established

n-Butane

106-97-8

1000 ppm

Not established

Not established

#### OSHA

##### Components

##### CAS #

##### TWA

##### STEL

##### Ceiling

Acetone

67-64-1

1000 ppm

Not established

Not established

Propane

74-98-6

1000 ppm

Not established

Not established

### Personal protective equipment

#### Eye / face protection

Do not get in eyes. Wear safety glasses with side shields (or goggles).

#### Skin protection

Not normally needed.

#### Respiratory protection

When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

## 9. Physical & Chemical Properties

### Appearance

Compressed liquefied gas.

### Boiling point

87.8 °F (31.1 °C) estimated

### Color

Clear.

### Flammability (HOC)

32.4984 kJ/g estimated

### Flash back

No

### Flash point

-156 °F (-104.4 °C) estimated

### Form

Aerosol.

### Odor

fruity

### pH

Not applicable

### Physical state

Liquid.

### Pressure

65 - 75 psig @ 70F

Solubility Partially  
Specific gravity 0.734 estimated

## 10. Chemical Stability & Reactivity Information

**Chemical stability** Risk of ignition. Stable at normal conditions.  
**Conditions to avoid** Heat, flames and sparks.  
**Incompatible materials** Strong oxidizing agents.  
**Hazardous decomposition products** May include oxides of carbon.

## 11. Toxicological Information

**Acute effects** Acute LD50: 28557 mg/kg estimated, Rat, Dermal  
Acute LC50: 104 mg/l/4h estimated, Rat, Inhalation

### Component analysis - LD50

#### Toxicology Data - Selected LD50s and LC50s

Acetone	67-64-1	Oral LD50 Rat 5800 mg/kg
Diethylene Glycol Monoethyl Ether	111-90-0	Oral LD50 Rat 1920 mg/kg; Dermal LD50 Rabbit 4200 µL/kg; Dermal LD50 Rat 6 mL/kg; Inhalation LC50 Rat >5240 mg/m <sup>3</sup> 4 h
n-Butane	106-97-8	Inhalation LC50 Rat 658 mg/L 4 h
Propane	74-98-6	Inhalation LC50 Rat 658 mg/L 4 h

**Sensitization** Not expected to be hazardous by OSHA criteria.

**Teratogenicity** Not expected to be hazardous by OSHA criteria.

## 12. Ecological Information

**Ecotoxicity** LC50 7820 mg/L, Fish, 96.00 Hours,  
EC50 18037 mg/L, Daphnia, 48.00 Hours,  
Components of this product have been identified as having potential environmental concerns.

## 13. Disposal Considerations

**Waste codes** D001: Waste Flammable material with a flash point <140 F

**Disposal instructions** Contents under pressure. Dispose of this material and its container to hazardous or special waste collection point. Do not incinerate sealed containers. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose in accordance with all applicable regulations.

## 14. Transport Information

### Department of Transportation (DOT) Requirements

#### Basic shipping requirements:

**Proper shipping name** Consumer commodity  
**Hazard class** ORM-D  
**Subsidiary hazard class** None

#### Additional information:

**Packaging exceptions** 156, 306  
**Packaging non bulk** 156, 306  
**Packaging bulk** None

### IMDG

#### Basic shipping requirements:

**Proper shipping name** AEROSOLS  
**Hazard class** 2.1  
**UN number** 1950

#### Additional information:

**Packaging exceptions** LTD QTY  
**Item** 5F  
**Labels required** None  
**Transport Category** 2



**IATA****Basic shipping requirements:**

**Proper shipping name** Aerosols, flammable  
**Hazard class** 2.1  
**UN number** 1950  
**Additional information:**  
**Packaging exceptions** LTD QTY  
**Labels required** None



<b>15. Regulatory Information</b>
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**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**U.S. - CERCLA/SARA - Section 313 - Emission Reporting**

Diethylene Glycol Monoethyl Ether 111-90-0	1.0 % de minimis concentration (applies to R-(OCH <sub>2</sub> CH <sub>2</sub> ) <sub>n</sub> -OR', where n = 1,2, or 3, R=alkyl C7 or less, or R = phenyl or alkyl substituted phenyl, R' = H or alkyl C7 or less, or OR' consisting of carboxylic acid ester, sulfate, phosphate, nitrate, or sulfonate. Chemical Category N230)
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**Occupational Safety and Health Administration (OSHA)**

**29 CFR 1910.1200 hazardous chemical** Yes

**CERCLA (Superfund) reportable quantity**

Acetone: 5000.0000

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Section 302 extremely hazardous substance** No  
**Section 311 hazardous chemical** Yes  
**Hazard categories (311/312)** Immediate Hazard - Yes  
 Delayed Hazard - No  
 Fire Hazard - Yes  
 Pressure Hazard - Yes  
 Reactivity Hazard - No

**Inventory status**

Country(s) or region	Inventory name	On inventory (yes/no)*
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of New and Existing Chemicals (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

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

Acetone	67-64-1	Environmental hazard
Diethylene Glycol Monoethyl Ether	111-90-0	Environmental hazard
n-Butane	106-97-8	Present
Propane	74-98-6	Present

<b>16. Other Information</b>
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**Further information** HMIS® is a registered trade and service mark of the NPCA.

**HMIS® ratings** Health: 1  
 Flammability: 4  
 Physical hazard: 0

**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. The information in the sheet was written based on the best knowledge and experience currently available.

**MSDS sections updated**

This document has undergone significant changes and should be reviewed in its entirety.

**Prepared by**

Regulatory Compliance