

# Safety Data Sheet

## Refresh, Floral Aerosol Air Freshener

SDS Revision Date:

08/23/2018



### 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

**Product Identity**

Refresh, Floral Aerosol Air Freshener

**Alternate Names**

Specification: A-A-267C  
LHB Part Number:0754---000  
National Stock Number: 6840-00-721-6055  
CAGE Code: 0FTT5  
Contract Number: GS-07F-R0002

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

**Intended use**

See product label.

**Application Method**

See product label.

#### 1.3. Details of the supplier of the safety data sheet

**Company Name**

LHB Industries  
8833 Fleischer Place  
Berkeley, MO 63134

**Emergency**

**24 hour Emergency Telephone No.**

(800) 633-8253 (PERS)

**Customer Service: LHB Industries**

(314) 423-4333

### 2. Hazard identification of the product

#### 2.1. Classification of the substance or mixture

Flam. Gas 1;H222                      Extremely flammable aerosol.

Press. Gas;H280                      Contains gas under pressure; may explode if heated.

#### 2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



**Danger**

H222 Extremely flammable aerosol.

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H280 Contains gas under pressure; may explode if heated.

### [Prevention]:

P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.

### [Response]:

P377 Leaking gas fire - do not extinguish unless leak can be stopped safely.

P381 Eliminate all ignition sources if safe to do so.

### [Storage]:

P410+403 Protect from sunlight. Store in a well ventilated place.

### [Disposal]:

No GHS disposal statements

## 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Butane CAS Number: 0000106-97-8	10 - 25	Flam. Gas 1;H220 Press. Gas;H280	[1][2]
Propane, 2-methyl- CAS Number: 0000075-28-5	1.0 - 10	Flam. Gas 1;H220 Press. Gas;H280	[1][2]
Propane CAS Number: 0000074-98-6	1.0 - 10	Flam. Gas 1;H220 Press. Gas;H280	[1][2]

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

\*The full texts of the phrases are shown in Section 16.

## 4. First aid measures

### 4.1. Description of first aid measures

#### General

Move victim to fresh air.

Call 911 or emergency medical service if deemed necessary.

Give artificial respiration if victim is not breathing.

Administer oxygen if breathing is difficult.

Remove and isolate contaminated clothing and shoes.

In case of contact with liquefied gas, thaw frosted parts with lukewarm water.

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	Keep victim warm and quiet. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.
<b>Inhalation</b>	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
<b>Eyes</b>	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
<b>Skin</b>	Remove and isolate contaminated clothing and shoes. Clothing frozen to the skin should be thawed before being removed. In case of contact with liquefied gas, thaw frosted parts with lukewarm water.
<b>Ingestion</b>	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

#### 4.2. Most important symptoms and effects, both acute and delayed

<b>Overview</b>	EFFECTS OF OVEREXPOSURE: Overexposure may result in light-headedness, staggering gait, giddiness, and possible nausea. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. May cause eye and skin irritation. SIGNS AND SYMPTOMS OF OVEREXPOSURE: Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists. Redness and itching or burning sensation may indicate eye or excessive skin exposure. MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing respiratory, skin, and eye disorders. See section 2 for further details.
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## 5. Fire-fighting measures

### 5.1. Extinguishing media

Carbon Dioxide, Dry Chemical, Foam

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Oxides of Carbon

Keep away from heat / sparks / open flames / hot surfaces - No smoking.

### 5.3. Advice for fire-fighters

Wear positive pressure self-contained breathing apparatus (SCBA).

Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection.

Structural firefighters' protective clothing will only provide limited protection.

Some may burn but none ignite readily.

Containers may explode when heated.

Ruptured cylinders may rocket.

Vapors may cause dizziness or asphyxiation without warning.

Vapors from liquefied gas are initially heavier than air and spread along ground.

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Contact with gas or liquefied gas may cause burns, severe injury and/or frostbite.  
Fire may produce irritating, corrosive and/or toxic gases.

**ERG Guide No.** 126

### 6. Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

Do not touch or walk through spilled material.

Stop leak if you can do it without risk.

Do not direct water at spill or source of leak.

Use water spray to reduce vapors or divert vapor cloud drift. Avoid allowing water runoff to contact spilled material.

If possible, turn leaking containers so that gas escapes rather than liquid.

Prevent entry into waterways, sewers, basements or confined areas.

Allow substance to evaporate.

Ventilate the area.

#### 6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

#### 6.3. Methods and material for containment and cleaning up

Stay upwind.

Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks).

Keep out of low areas.

Ventilate closed spaces before entering.

### 7. Handling and storage

#### 7.1. Precautions for safe handling

Store in accordance with the National Fire Protection Association's publication NFPA 30, Flammable and Combustible Liquids Code. 29 CFR 1910.106 applies to the handling, storage, and use of flammable and combustible liquids.

See section 2 for further details. - [Prevention]:

#### 7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Store this product below 120°F, in a cool, dry, well ventilated area away from heat, sparks, flame, oxidizers and out of direct sunlight.

Incompatible materials: Strong acids and oxidizing materials

See section 2 for further details. - [Storage]:

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### 7.3. Specific end use(s)

No data available.

## 8. Exposure controls and personal protection

### 8.1. Control parameters

#### Exposure

CAS No.	Ingredient	Source	Value
0000074-98-6	Propane	OSHA	TWA 1000 ppm (1800 mg/m3)
		ACGIH	Ensure Minimal Oxygen Content (ACGIH appendix F)
		NIOSH	TWA 1000 ppm (1800 mg/m3)
		Supplier	No Established Limit
0000075-28-5	Propane, 2-methyl-	OSHA	No Established Limit
		ACGIH	STEL: 1000ppm
		NIOSH	TWA 800 ppm (1900 mg/m3)
		Supplier	No Established Limit
0000106-97-8	Butane	OSHA	No Established Limit
		ACGIH	TWA: 600 ppm STEL: 750 ppm
		NIOSH	TWA 800 ppm (1900 mg/m3)
		Supplier	No Established Limit

#### Carcinogen Data

CAS No.	Ingredient	Source	Value
0000074-98-6	Propane	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000075-28-5	Propane, 2-methyl-	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0000106-97-8	Butane	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

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### 8.2. Exposure controls

<b>Respiratory</b>	If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.
<b>Eyes</b>	Wear safety eyewear, e.g. safety spectacles, goggles or visors to protect against the splash of liquids.
<b>Skin</b>	Overalls which cover the body, arms and legs should be worn. Skin should not be exposed. All parts of the body should be washed after contact.
<b>Engineering Controls</b>	Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

**Other Work Practices** Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

## 9. Physical and chemical properties

<b>Appearance</b>	Milky white Liquid/Gas
<b>Odor</b>	Pleasant
<b>Odor threshold</b>	Not Measured
<b>pH</b>	Not Measured
<b>Melting point / freezing point</b>	Not Measured
<b>Initial boiling point and boiling range</b>	Not Measured
<b>Flash Point</b>	-156 F (propellant)
<b>Evaporation rate (Ether = 1)</b>	slower than ether
<b>Flammability (solid, gas)</b>	Flam. Aerosol 1;H220 Extremely flammable aerosol.
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit:</b> 1.8 <b>Upper Explosive Limit:</b> 9,5
<b>Vapor pressure (Pa)</b>	Not Measured
<b>Vapor Density</b>	>1
<b>Specific Gravity</b>	0.840 (7.05 lbs/gal)
<b>Solubility in Water</b>	Soluble
<b>Partition coefficient n-octanol/water (Log Kow)</b>	Not Measured
<b>Auto-ignition temperature</b>	Not Measured
<b>Decomposition temperature</b>	Not Measured
<b>Viscosity (cSt)</b>	Not Measured

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<b>VOC %</b>	23.0% by wt.
<b>% Volatile (by volume)</b>	Not Measured
<b>HAPS (lbs/gal)</b>	0.0
<b>HAPS (lbs/gal of Solids)</b>	0.0
<b>HAPS (lbs/lb of Solids)</b>	0.0

**9.2. Other information**

No other relevant information.

### 10. Stability and reactivity

**10.1. Reactivity**

Hazardous Polymerization will not occur.

**10.2. Chemical stability**

Stable under normal circumstances.

**10.3. Possibility of hazardous reactions**

No data available.

**10.4. Conditions to avoid**

Do not expose to heat or store at temperature above 120°F.

**10.5. Incompatible materials**

Strong acids and oxidizing materials

**10.6. Hazardous decomposition products**

Oxides of Carbon

### 11. Toxicological information

**Acute toxicity**

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LD50, mg/L/4hr	Inhalation Dust/Mist LD50, mg/L/4hr	Inhalation Gas LD50, ppm
Butane - (106-97-8)	No data available	No data available	658.00, Rat - Category: NA	No data available	No data available
Propane, 2-methyl- - (75-28-5)	No data available	No data available	658.00, Rat - Category: NA	No data available	No data available
Propane - (74-98-6)	No data available	No data available	658.00, Rat - Category: NA	No data available	No data available

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Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

## 12. Ecological information

### 12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

### Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Butane - (106-97-8)	6.00, Fish (Piscis)	Not Available	Not Available
Propane, 2-methyl- - (75-28-5)	Not Available	Not Available	Not Available
Propane - (74-98-6)	Not Available	Not Available	Not Available

### 12.2. Persistence and degradability

There is no data available on the preparation itself.

### 12.3. Bioaccumulative potential

Not Measured



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### 12.4. Mobility in soil

No data available.

### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

### 12.6. Other adverse effects

No data available.

## 13. Disposal considerations

### 13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

## 14. Transport information

	<b>DOT (Domestic Surface Transportation)</b>	<b>IMO / IMDG (Ocean Transportation)</b>	<b>ICAO/IATA</b>
<b>14.1. UN number</b>	UN1950	UN1950	UN1950
<b>14.2. UN proper shipping name</b>	UN1950, Aerosols, Limited Quantity, 2.1,	Aerosols, Limited Quantity	Aerosols, Limited Quantity
<b>14.3. Transport hazard class(es)</b>	<b>DOT Hazard Class: 2.1</b>	<b>IMDG: 2.1</b>	<b>Air Class: 2.1</b>
<b>14.4. Packing group</b>	Not Applicable	Not Applicable	Not Applicable
<b>14.5. Environmental hazards</b>			
<b>IMDG</b>	Marine Pollutant: No		
<b>14.6. Special precautions for user</b>	No further information		

## 15. Regulatory information

<b>Regulatory Overview</b>	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
<b>Toxic Substance Control Act ( TSCA)</b>	All components of this material are either listed or exempt from listing on the TSCA Inventory.
<b>WHMIS Classification</b>	A B1

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### US EPA Tier II Hazards

Fire: Yes

Sudden Release of Pressure: Yes

Reactive: No

Immediate (Acute): No

Delayed (Chronic): No

### EPCRA 311/312 Chemicals and RQs:

(No Product Ingredients Listed)

### EPCRA 302 Extremely Hazardous :

(No Product Ingredients Listed)

### EPCRA 313 Toxic Chemicals:

(No Product Ingredients Listed)

### Proposition 65 - Carcinogens (>0.0%):

(No Product Ingredients Listed)

### Proposition 65 - Developmental Toxins (>0.0%):

(No Product Ingredients Listed)

### Proposition 65 - Female Repro Toxins (>0.0%):

(No Product Ingredients Listed)

### Proposition 65 - Male Repro Toxins (>0.0%):

(No Product Ingredients Listed)

### N.J. RTK Substances (>1%):

Butane

Propane

Propane, 2-methyl-

### Penn RTK Substances (>1%):

Butane

Propane

Propane, 2-methyl-

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### 16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

**IMPORTANT NOTE:** This information is furnished without warranty, expressed or implied, as to accuracy or completeness. The information is obtained from various sources including the manufacturer and other third party sources. The information may not be valid under all conditions nor if this material is used in combination with other materials or any process. Final determination of suitability of any material is the sole responsibility of the user.

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