



# Material Safety Data Sheet

## Section 1 — Chemical Product And Company Identification

Manufacturer: LHB Industries Emergency Telephone Number (800) 633-8253 (PERS)  
8833 Fleischer Place Information Telephone Number (314) 423-4333  
Berkeley, MO 63134 Review Date January 6, 2012

Product ID: Refresh, Floral Aerosol Air Freshener  
Specification: A-A-267C  
LHB Part Number: 0754---000  
National Stock Number: 6840-00-721-6055  
CAGE Code: 0FTT5  
Contract Number: GS-07F-R0002

## Section 2 — Composition / Information On Ingredients

CAS No.	Ingredient	Wt%	ACGIH TLV <STEL>	OSHA PEL <STEL>	Vapor Pressure (mm Hg 20°C)
74-98-6	Propane	5	2500 ppm	1000 ppm	760
106-97-8	Butane	10	800 ppm	800 ppm	760
75-28-5	Isobutane	8	NE	NE	760

## Section 3 — Hazards Identification

ROUTES OF EXPOSURE: Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

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.

CANCER INFORMATION: For complete discussion of toxicology data refer to Section 11.

## Section 4 — First Aid Measures

INHALATION: Not a hazard under normal use conditions. Remove from source of exposure.

SKIN CONTACT: Immediately flush skin with plenty of water while removing contaminated clothing and shoes. Call a physician if irritation persists. Wash clothing and shoes before reuse.

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Consult medical personnel if irritation persists.

INGESTION: If swallowed, do not induce vomiting. Slowly dilute with 1–2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

## Section 5 — Fire Fighting Measures

FLASH POINT -156°F (propellant) LEL 1.8 UEL 9.5

EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemicals and Foam

SPECIAL EXPOSURE HAZARDS: Do not expose to temperatures over 120°F. Keep away from heat, sparks and flame. Containers may explode when exposed to extreme heat.

SPECIAL PROTECTIVE EQUIPMENT: Water may be used to keep fire-exposed containers cool. Fire fighters should wear full protective clothing, including self-contained breathing equipment.

NFPA RATING: HEALTH 1, FLAMMABILITY 2, REACTIVITY 0

HMS CLASSIFICATION: HEALTH 1, FLAMMABILITY 2, REACTIVITY 0

## Section 6 — Accidental Release Measures

PERSONAL PRECAUTIONARY MEASURES: Avoid inhalation. Use good ventilation. Read entire label before using and follow all label directions.

ENVIRONMENTAL PRECAUTIONARY PROCEDURE FOR CLEANING/ABSORPTION: Remove ignition sources and work with non-sparking tools. Wipe, scrape or soak up contents in an inert material. Pick up spill for recovery or disposal and place in a closed container. Dispose of in accordance with applicable Federal, State & Local regulations.

## Section 7 — Handling and Storage

HANDLING: Keep out of reach of children. Keep away from heat, sparks, and open flame. Contents under pressure. Do not puncture, incinerate, or expose to temperatures above 120°F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally.

STORAGE: CATEGORY – NFPA 30B Level 1 Aerosol

Do not store where temperatures may exceed 120°F (48.9°C).

## Section 8 — Exposure Controls/Personal Protection

ENGINEERING CONTROLS: Local Exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits.

RESPIRATORY PROTECTION: If personal exposure cannot be controlled to below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

GLOVES: None required for normal application or where a minimal skin contact is expected.

SKIN PROTECTION: Not normally necessary. Wash promptly when skin becomes contaminated.

EYES: None

OTHER PERSONAL PROTECTION DATA: Avoid contact with skin and eyes. Wash hands after using.



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## Section 9 — Physical and Chemical Properties

PHYSICAL STATE: Liquid  
COLOR: Milky White  
ODOR: Pleasant  
SPECIFIC GRAVITY: 0.840  
DENSITY: 7.05 lbs/gal  
pH: 9.5  
VAPOR DENSITY (AIR=1): >1  
EVAPORATION RATE: Slower than ether  
SOLUBILITY IN WATER: Soluble

## Section 10 — Stability and Reactivity

CHEMICAL STABILITY: Stable  
HAZARDOUS POLYMERIZATION: Will not occur  
CONDITIONS TO AVOID: Do not expose to heat or store at temperatures above 120°F  
MATERIAL TO AVOID: Strong acids. Oxidizing agents.  
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide, and Carbon Dioxide

## Section 11 — Toxicological Information

TOXICOLOGY DATA (listed if available)

## Section 12 — Ecological Information

ECOLOGICAL INFORMATION: No data available

## Section 13 — Disposal Considerations

DISPOSAL OF WASTE METHOD: Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

## Section 14 — Transport Information

### U.S. DOT 49 CFR 172.101 Hazardous Material Table

DOT SHIPPING NAME: Consumer Commodity  
HAZARD CLASS: ORM-D

### ATA: List of Dangerous Goods

PROPER SHIPPING NAME: Aerosols, flammable  
HAZARD CLASS OR DIVISION: 2.1  
IDENTIFICATION NUMBER: UN1950

## Section 15 — Regulatory Information

### U.S. REGULATORY RULES

SARA SECTION 302: None  
SARA 313 CHEMICALS: None  
CALIFORNIA PROPOSITION 65: None  
RCRA STATUS: This material is classified as a hazardous waste.  
TSCA CERTIFICATION: All chemicals in this product are listed, or are exempt from listing on the TSCA Inventory.

VOC CONTENT: 23.0% by wt.

HAZARDOUS AIR POLLUTANTS (Clean Air Act, Section 112(b))  
HAPS (lbs/gal): 0.0 lbs/gal

## Section 16 — Other Information

REVISION NUMBER: 09  
REVISION DATE: August 11, 2011

ADDITIONAL INFORMATION: This MSDS has been prepared in accordance with FED-STD 313D and meets the requirements of 29 CFR 1910.1200.

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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\*\*\* END OF MSDS\*\*\*