

Material Safety Data Sheet



FIRST IMPRESSION SUMMER LINEN MICRO AEROSOL

Section 1. Chemical product and company identification

Trade name : FIRST IMPRESSION SUMMER LINEN MICRO AEROSOL
Product use : Air Freshener
Supplier : Ecolab Inc. Institutional Division
370 N. Wabasha Street
St. Paul, MN 55102
1-800-352-5326
Code : 903370
Date of issue : 11-September-2008

EMERGENCY HEALTH INFORMATION: 1-800-328-0026
Outside United States and Canada CALL 1-651-222-5352 (in USA)

Section 2. Composition, information on ingredients

<u>Name</u>	<u>CAS number</u>	<u>% by weight</u>
propane	74-98-6	20 - 50
ethanol	64-17-5	20 - 50
butane	106-97-8	5 - 20
2-methylpentane-2,4-diol	107-41-5	5 - 20
Proprietary	NJ	5 - 20
	010903370106	
propanol, oxybis-	25265-71-8	5 - 20

Section 3. Hazards identification

Physical state : Liquid. [Aerosol.]
Emergency overview : WARNING !
FLAMMABLE AEROSOLS
MAY CAUSE EYE IRRITATION.
CONTENTS UNDER PRESSURE.
Intentional misuse by deliberate inhalation may be harmful or fatal.
Avoid contact with eyes. Keep away from heat, sparks and flame. Avoid all possible sources of ignition (spark or flame). Keep away from heat and direct sunlight. Do not puncture, incinerate or store the container at temperatures above 49°C (120°F) or in direct sunlight.

Potential acute health effects

Eyes : Slightly irritating to the eyes.
Skin : Slightly irritating to the skin.
Inhalation : High vapor concentrations can cause headaches, dizziness, drowsiness and nausea and may lead to unconsciousness.
Ingestion : May be harmful if swallowed.

See toxicological information (section 11)

Section 4. First aid measures

Eye contact : In case of contact, immediately flush eyes with plenty of water. Remove contact lenses and flush again. Get medical attention if irritation persists.
Skin contact : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if irritation persists. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Inhalation : If irritation persists, get medical attention.
Ingestion : Do not induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Section 5. Fire fighting measures

- Flash point** : Not applicable.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
- Fire-fighting media and instructions** : Use an extinguishing agent suitable for the surrounding fire.

Use water spray to keep fire-exposed containers cool. Containers may explode when heated. Ruptured cylinders may rocket. Dike area of fire to prevent runoff. Flammable aerosol. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Gas may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back, causing fire or explosion. Bursting aerosol containers may be propelled from a fire at high speed. Runoff to sewer may create fire or explosion hazard.

- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

- Personal precautions** : Use suitable protective equipment (section 8). Do not allow to enter drains or watercourses.
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).
- Methods for cleaning up** : Absorb with an inert material and place in an appropriate waste disposal container.

Section 7. Handling and storage

- Handling** : Avoid contact with eyes. Keep away from heat, sparks and flame. Liquid and vapor under pressure. Do not puncture or incinerate container. Wash hands after handling.
- Storage** : Keep out of reach of children. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Do not puncture or incinerate container. Avoid all possible sources of ignition (spark or flame).
Do not store above the following temperature: 50°C

Section 8. Exposure controls/personal protection

- Engineering measures** : No special ventilation requirements.

Personal protection :

- Eyes** : No protective equipment is needed under normal use conditions.
- Hands** : No protective equipment is needed under normal use conditions.
- Skin** : No protective equipment is needed under normal use conditions.
- Respiratory** : No protective equipment is needed under normal use conditions.

Name

propane

Exposure limits

ACGIH TLV (United States, 1/2008).

TWA: 1000 ppm 8 hour(s).

OSHA PEL (United States, 11/2006).

TWA: 1800 mg/m³ 8 hour(s).

TWA: 1000 ppm 8 hour(s).

NIOSH REL (United States, 12/2001).

TWA: 1800 mg/m³ 10 hour(s).

TWA: 1000 ppm 10 hour(s).

ethanol

ACGIH TLV (United States, 1/2008).

TWA: 1880 mg/m³ 8 hour(s).

TWA: 1000 ppm 8 hour(s).

	OSHA PEL (United States, 11/2006). TWA: 1900 mg/m ³ 8 hour(s). TWA: 1000 ppm 8 hour(s).
butane	ACGIH TLV (United States, 1/2008). TWA: 1000 ppm 8 hour(s). NIOSH REL (United States, 12/2001). TWA: 1900 mg/m ³ 10 hour(s). TWA: 800 ppm 10 hour(s).
2-methylpentane-2,4-diol	ACGIH TLV (United States, 1/2008). C: 121 mg/m ³ C: 25 ppm

Section 9. Physical and chemical properties

Physical state	: Liquid. [Aerosol.]
Color	: Amber.
Odor	: Aromatic.
pH	: Not applicable.
Relative density	: 0.6 to 0.8

Section 10. Stability and reactivity

Stability	: The product is stable. Under normal conditions of storage and use, hazardous polymerization will not occur.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Hazardous polymerization	: Under normal conditions of storage and use, hazardous polymerization will not occur.

Section 11. Toxicological information

Potential acute health effects

Eyes	: Slightly irritating to the eyes.
Skin	: Slightly irritating to the skin.
Inhalation	: High vapor concentrations can cause headaches, dizziness, drowsiness and nausea and may lead to unconsciousness.
Ingestion	: May be harmful if swallowed.

Potential chronic health effects

Target organs	: There is no known chronic effect after exposure to this product.
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Section 12. Ecological information

Section 13. Disposal considerations

Waste disposal	: Do not puncture or incinerate container.
Waste classification	: Unused product is D001 (Ignitable)

Consult your local or regional authorities.

Section 14. Transport information

Certain shipping modes or package sizes may have exceptions from the transport regulations. The classification provided may not reflect those exceptions and may not apply to all shipping modes or package sizes.

UN Classification

UN number	UN1950
Proper shipping name	Aerosols, flammable

Class	2.1
Packing group	-
Additional information	Limited quantity

See shipping documents for specific transportation information.

Section 15. Regulatory information

HCS Classification	: Flammable aerosol Irritating material
U.S. Federal regulations	: SARA 302/304/311/312 extremely hazardous substances: No products were found. SARA 302/304 emergency planning and notification: No products were found. TSCA 8(b) inventory : All components are listed or exempted.
California Prop. 65	: No products were found.

Section 16. Other information

Hazardous Material Information System (U.S.A.)	Health	1
	Flammability	4
	Physical hazards	0

Date of issue	: 11-September-2008.
Responsible name	: Regulatory Affairs
Date of previous issue	: 03-October-2007.

Notice to reader

The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.