

STAPLES®

Material Safety Data Sheet

ECOLAB®

FIRST IMPRESSION JUNIPER SPLASH MICRO AEROSOL

Section 1. Chemical product and company identification

Trade name : FIRST IMPRESSION JUNIPER SPLASH MICRO AEROSOL

Product use : Air Freshener

Supplier : Ecolab Inc. Institutional Division
370 N. Wabasha Street
St. Paul, MN 55102
1-800-352-5326

Code : 903371

Date of issue : 25-February-2005

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

Section 2. Composition, Information on Ingredients

Name	CAS number	% by weight
propan-2-ol	67-63-0	5 - 10
ethanol, 2-(2-ethoxyethoxy)-	111-90-0	1 - 5
propanol, oxybis-	25265-71-8	10 - 30
Propane	74-98-6	10 - 30
Fragrance	Mixture	10 - 30
butane	106-97-8	10 - 30
2-Methylpentane-2,4-diol	107-41-5	5 - 10
Ethanol	64-17-5	1 - 5

Section 3. Hazards identification

Physical state : Liquid. (Aerosol.)

Emergency overview : Danger!

EXTREMELY FLAMMABLE LIQUID AND VAPOR.
VAPOR MAY CAUSE FLASH FIRE.
MAY CAUSE RESPIRATORY TRACT IRRITATION.
MAY CAUSE EYE IRRITATION. CONTENTS UNDER PRESSURE. Repeated or prolonged contact with irritants may cause dermatitis.

Avoid contact with eyes. Avoid breathing vapor or mist. Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.

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 : Harmful. Irritating to mouth, throat and stomach.

See toxicological information (section 11)

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Section 4. First aid measures

Eye contact : In case of contact, immediately remove contact lenses and flush again. Get medical attention.

Skin contact : Wash with soap and water. Get medical attention if clothing before reuse.

Inhalation : If inhaled, remove to fresh air.

Ingestion : Do NOT induce vomiting unless instructed by a healthcare professional. Give nothing by mouth to an unconscious person.

Section 5. Fire fighting measures

Flash point : -20 °C (Closed cup)

Fire fighting media and instructions : In case of fire, use water spray.

Dike area of fire to prevent product from spreading. Highly flammable liquid and vapor. Accumulate in low or confined areas. Avoid ignition and flash back. Runoff to sewer.

Special protective equipment for fire-fighters : Fire fighters should wear appropriate breathing apparatus (SCBA) with full facepiece.

Section 6. Accidental release measures

Personal precautions : Immediately contact emergency services. Do not touch or walk through spilled material.

Environmental precautions : Avoid dispersal of spilled material and runoff. Do not drain into sewers.

Methods for cleaning up : If emergency personnel are unavailable, do not touch or incinerate container. For small spills, absorb with suitable material. For large spills, use appropriate means to transfer material to a safe disposal site.

Section 7. Handling and storage

Handling : Keep container closed. Use only in well-ventilated areas. Keep away from heat, sparks, or open flame. Keep away from static electricity during handling. Dissipate static electricity during handling. Use appropriate equipment before transferring material. Grounding and bonding equipment thoroughly after handling.

Storage : Keep out of the reach of children. Store in a cool, well-ventilated area. Do not store above 50°C.

Section 8. Exposure Controls, PPE

Engineering controls : Provide exhaust ventilation or other engineering controls to keep concentrations of vapors below the TLV.

Personal protection

Eyes : No protective equipment is needed.

Hands : No protective equipment is needed.

Skin : No protective equipment is needed.

Respiratory : No protective equipment is needed under normal use conditions.

Name	Exposure limits
Propane	ACGIH TLV (United States, 1/2004). Notes: ACGIH 2004 Adoption TWA: 1000 ppm 8 hour(s). Form: All forms OSHA PEL (United States, 6/1993). TWA: 1800 mg/m ³ 8 hour(s). Form: All forms TWA: 1000 ppm 8 hour(s). Form: All forms ACGIH TLV (United States, 1/2004). Notes: ACGIH 2004 Adoption TWA: 1000 ppm 8 hour(s). Form: All forms
butane	ACGIH TLV (United States, 1/2004). Notes: ACGIH 2003 Adoption Refers to Appendix A -- Carcinogens. STEL: 400 ppm 15 minute(s). Form: All forms TWA: 200 ppm 8 hour(s). Form: All forms OSHA PEL (United States, 6/1993). TWA: 980 mg/m ³ 8 hour(s). Form: All forms TWA: 400 ppm 8 hour(s). Form: All forms ACGIH TLV (United States, 9/2004). CEIL: 121 mg/m ³ Form: All forms CEIL: 25 ppm Form: All forms
propan-2-ol	ACGIH TLV (United States, 1/2004). Notes: ACGIH 2003 Adoption Refers to Appendix A -- Carcinogens. STEL: 400 ppm 15 minute(s). Form: All forms TWA: 200 ppm 8 hour(s). Form: All forms OSHA PEL (United States, 6/1993). TWA: 980 mg/m ³ 8 hour(s). Form: All forms TWA: 400 ppm 8 hour(s). Form: All forms ACGIH TLV (United States, 9/2004). CEIL: 121 mg/m ³ Form: All forms CEIL: 25 ppm Form: All forms
2-Methylpentane-2,4-diol	ACGIH TLV (United States, 5/2004). Notes: 1996 Adoption Refers to Appendix A -- Carcinogens. TWA: 1880 mg/m ³ 8 hour(s). Form: All forms TWA: 1000 ppm 8 hour(s). Form: All forms OSHA PEL (United States, 6/1993). TWA: 1900 mg/m ³ 8 hour(s). Form: All forms TWA: 1000 ppm 8 hour(s). Form: All forms
Ethanol	ACGIH TLV (United States, 5/2004). Notes: 1996 Adoption Refers to Appendix A -- Carcinogens. TWA: 1880 mg/m ³ 8 hour(s). Form: All forms TWA: 1000 ppm 8 hour(s). Form: All forms OSHA PEL (United States, 6/1993). TWA: 1900 mg/m ³ 8 hour(s). Form: All forms TWA: 1000 ppm 8 hour(s). Form: All forms

Section 9. Physical and chemical properties

Physical state	: Liquid. (Aerosol.)
Color	: Colorless.
Odor	: Fragrance like.
pH	: 0 (100%)
Specific gravity	: 0.67 (Water = 1)

Section 10. Stability and reactivity

Stability	: The product is stable.
Reactivity	: Slightly reactive to reactive with organic materials, metals, acids, alkalis.

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	: Harmful. Irritating to mouth, throat and stomach.
Chronic effects on humans	: Contains material which causes damage to the following organs: blood, the nervous system, the reproductive system, liver, mucous membranes, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea.

Section 12. Ecological information

Products of degradation : These products are carbon oxides (CO, CO₂) and water.

Section 13. Disposal considerations

Waste disposal : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Waste classification : Unused product is D001 (Ignitable)

Consult your local or regional authorities.

Section 14. Transport information

Regulatory information	UN number	Proper shipping name	Class	Packing group	Additional information
DOT Classification	UN1950	Aerosols, flammable	2.1	-	Special provisions 153, N82

APPLIES ONLY DURING ROAD TRANSPORT

Any variation of the shipping description based on the packaging is not addressed.

Section 15. Regulatory information

HCS Classification	: Extremely flammable. Irritating material. Target organ effects.
U.S. Federal regulations	: SARA 302/304/311/312 extremely hazardous substances: None. SARA 302/304 emergency planning and notification: None.
TSCA 8(b) inventory	: All materials are listed or exempt.
SARA 313	

	Product name	Concentration
Form R - Reporting requirements	: ethanol, 2-(2-ethoxyethoxy)-	1 - 5
California prop. 65	: No products were found.	

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health	1
Fire hazard	4
Reactivity	1
Personal protection	A

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Responsible name : Regulatory Affairs
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Notice to reader