



SAFETY DATA SHEET

FIRST IMPRESSION MANDARIN BURST MICRO AEROSOL

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : FIRST IMPRESSION MANDARIN BURST MICRO AEROSOL

Other means of identification : Not applicable.

Recommended use : Air Freshener

Restrictions on use : Reserved for industrial and professional use.

Product dilution information : Product is sold ready to use.

Company : Ecolab Co.
5105 Tomken Road
Mississauga, Ontario Canada L4W 2X5
1-800-352-5326

Emergency telephone number : 1-800-328-0026 (US/Canada), 1-651-222-5352 (outside US)

Issuing date : 06/23/2014

SECTION 2. HAZARDS IDENTIFICATION

Physical and chemical hazards : Flammable aerosol. Contains gas under pressure; may explode if heated.

Potential Health Effects

Eyes : Causes serious eye irritation.

Skin : Health injuries are not known or expected under normal use.

Ingestion : Health injuries are not known or expected under normal use.

Inhalation : Inhalation may cause central nervous system effects. Intentional misuse by deliberate inhalation may be harmful or fatal.

Chronic Exposure : Health injuries are not known or expected under normal use.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture : Mixture

Chemical Name	CAS-No.	Concentration: (%)
propane	74-98-6	10 - 30
ethanol	64-17-5	10 - 30
Aliphatic hydrocarbons	106-97-8	10 - 30
Fragrance	Proprietary Ingredient	10 - 30
2-methylpentane-2,4-diol	107-41-5	10 - 30

SECTION 4. FIRST AID MEASURES

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.

In case of skin contact : Rinse with plenty of water.

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If swallowed	: Rinse mouth. Get medical attention if symptoms occur.
If inhaled	: Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.
Protection of first-aiders	: If potential for exposure exists refer to Section 8 for specific personal protective equipment.
Notes to physician	: Treat symptomatically.

See toxicological information (Section 11)

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	: High volume water jet
Specific hazards during firefighting	: Pressurized container: May burst if heated. Flammable aerosols
Hazardous combustion products	: Decomposition products may include the following materials: Carbon oxides nitrogen oxides (NOx) Sulphur oxides Oxides of phosphorus
Special protective equipment for firefighters	: Use personal protective equipment.
Specific extinguishing methods	: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.
Risk of explosion.	: Not available.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
Environmental precautions	: Do not allow contact with soil, surface or ground water.
Methods and materials for containment and cleaning up	: Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling	: Avoid contact with skin and eyes. Do not breathe dust/fume/gas/mist/vapours/spray. Use only with adequate ventilation. Contents under pressure. Do not puncture. Wash hands thoroughly
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after handling.

Conditions for safe storage : Keep in a cool, well-ventilated place. Keep out of reach of children.
Keep container tightly closed. Store in suitable labeled containers.

Storage temperature : 5 °C to 45 °C

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Form of exposure	Permissible concentration	Basis
propane	74-98-6	TWA	1,000 ppm	CAD AB OEL
		TWA	1,000 ppm	CAD BC OEL
		VME	1,000 ppm 1,800 mg/m3	OEL (QUE)
		TWA	1,000 ppm	CA ON OEL
propane	74-98-6	TWA	1,000 ppm	ACGIH
		TWA	1,000 ppm 1,800 mg/m3	NIOSH REL
		TWA	1,000 ppm 1,800 mg/m3	OSHA Z1
ethanol	64-17-5	TWA	1,000 ppm 1,880 mg/m3	CAD AB OEL
		STEL	1,000 ppm	CAD BC OEL
		VME	1,000 ppm 1,880 mg/m3	OEL (QUE)
ethanol	64-17-5	TWA	1,000 ppm	ACGIH
		TWA	1,000 ppm 1,900 mg/m3	NIOSH REL
		TWA	1,000 ppm 1,900 mg/m3	OSHA Z1
Aliphatic hydrocarbons	106-97-8	TWA	1,000 ppm	CAD AB OEL
		TWA	600 ppm	CAD BC OEL
		STEL	750 ppm	CAD BC OEL
		VME	800 ppm 1,900 mg/m3	OEL (QUE)
Aliphatic hydrocarbons	106-97-8	TWA	800 ppm 1,900 mg/m3	NIOSH REL
		TWA	1,000 ppm	ACGIH
		TWA	1,000 ppm	ACGIH
2-methylpentane-2,4-diol	107-41-5	(c)	25 ppm 121 mg/m3	CAD AB OEL
		C	25 ppm	CAD BC OEL
		C	25 ppm 121 mg/m3	OEL (QUE)
2-methylpentane-2,4-diol	107-41-5	Ceiling	25 ppm	ACGIH
		Ceiling	25 ppm 125 mg/m3	NIOSH REL

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Personal protective equipment

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Eye protection	: Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.
Hand protection	: No special protective equipment required.
Skin protection	: No special protective equipment required.
Respiratory protection	: Due to the form and packaging of the product, no protective equipment is needed under normal use conditions.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Compressed gas
Colour	: clear, amber
Odour	: Perfumes, fragrances
pH	: 100 %
Flash point	: Not applicable., Sustains combustion
Odour Threshold	: no data available
Melting point/freezing point	: no data available
Initial boiling point and boiling range	: no data available
Evaporation rate	: no data available
Flammability (solid, gas)	: no data available
Upper explosion limit	: no data available
Lower explosion limit	: no data available
Vapour pressure	: no data available
Relative vapour density	: no data available
Relative density	: 0.6 - 0.8
Water solubility	: no data available
Solubility in other solvents	: no data available
Partition coefficient: n-octanol/water	: no data available
Auto-ignition temperature	: no data available
Thermal decomposition	: no data available
Viscosity, kinematic	: no data available
Explosive properties	: no data available
Oxidizing properties	: no data available
Molecular weight	: no data available
VOC	: no data available

SECTION 10. STABILITY AND REACTIVITY

Chemical stability	: Stable under normal conditions.
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Possibility of hazardous reactions	: No dangerous reaction known under conditions of normal use.
Conditions to avoid	: None known.
Incompatible materials	: None known.
Hazardous decomposition products	: Decomposition products may include the following materials: Carbon oxides nitrogen oxides (NOx) Sulphur oxides Oxides of phosphorus

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	: Eye contact Skin contact
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Potential Health Effects

Eyes	: Causes serious eye irritation.
Skin	: Health injuries are not known or expected under normal use.
Ingestion	: Health injuries are not known or expected under normal use.
Inhalation	: Inhalation may cause central nervous system effects. Intentional misuse by deliberate inhalation may be harmful or fatal.
Chronic Exposure	: Health injuries are not known or expected under normal use.

Experience with human exposure

Eye contact	: Redness, Pain, Irritation
Skin contact	: No symptoms known or expected.
Ingestion	: No symptoms known or expected.
Inhalation	: Dizziness, Drowsiness

Toxicity

Acute oral toxicity	: no data available
Acute inhalation toxicity	: no data available
Acute dermal toxicity	: no data available
Skin corrosion/irritation	: no data available
Serious eye damage/eye irritation	: no data available
Respiratory or skin sensitization	: no data available
Carcinogenicity	

IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human
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carcinogen by IARC.

OSHA No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

Reproductive effects : no data available

Germ cell mutagenicity : no data available

Teratogenicity : no data available

STOT - single exposure : no data available

STOT - repeated exposure : no data available

Aspiration toxicity : no data available

Components

Acute oral toxicity : ethanol
LD50 rat: 10,470 mg/kg

2-methylpentane-2,4-diol
LD50 rat: > 2,000 mg/kg

Components

Acute inhalation toxicity : ethanol
4 h LC50 rat: 117 mg/l

Aliphatic hydrocarbons
4 h LC50 rat: 280000 ppm

2-methylpentane-2,4-diol
4 h LC50 rat: > 1.1 mg/l

Components

Acute dermal toxicity : ethanol
LD50 rabbit: 15,800 mg/kg

2-methylpentane-2,4-diol
LD50 rat: > 2,000 mg/kg

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Environmental Effects : This product has no known ecotoxicological effects.

Product

Toxicity to fish : no data available

Toxicity to daphnia and other aquatic invertebrates : no data available

Toxicity to algae : no data available

Components

Toxicity to fish : ethanol

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96 h LC50 Fish : 11,000 mg/l

Aliphatic hydrocarbons
96 h LC50 Fish : 22.03 mg/l

Components

Toxicity to daphnia and other aquatic invertebrates : 2-methylpentane-2,4-diol
48 h EC50 Daphnia : 2,800 mg/l

Persistence and degradability

no data available

Bioaccumulative potential

no data available

Mobility in soil

no data available

Other adverse effects

no data available

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods : Where possible recycling is preferred to disposal or incineration. If recycling is not practicable, dispose of in compliance with local regulations. Dispose of wastes in an approved waste disposal facility.

Disposal considerations : Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

SECTION 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (TDG)

UN number : 1950
Description of the goods : Aerosols, flammable
Class : 2.1
Environmentally hazardous : No

Sea Transport (IMDG/IMO)

UN number : 1950
Description of the goods : Aerosols, flammable
Class : 2.1
Marine pollutant : No

SECTION 15. REGULATORY INFORMATION

WHMIS Classification : A Compressed Gas
B5 Flammable aerosol
D2B Toxic Material Causing Other Toxic Effects

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This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

The components of this product are reported in the following inventories:

1907/2006 (EU) :

not determined

Switzerland. New notified substances and declared preparations :

not determined

United States TSCA Inventory :

On TSCA Inventory

Canadian Domestic Substances List (DSL) :

All components of this product are on the Canadian DSL.

Australia. Industrial Chemical (Notification and Assessment) Act :

not determined

New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand :

not determined

Japan. ENCS - Existing and New Chemical Substances Inventory :

not determined

Japan. ISHL - Inventory of Chemical Substances (METI) :

not determined

Korea. Korean Existing Chemicals Inventory (KECI) :

not determined

Philippines Inventory of Chemicals and Chemical Substances (PICCS) :

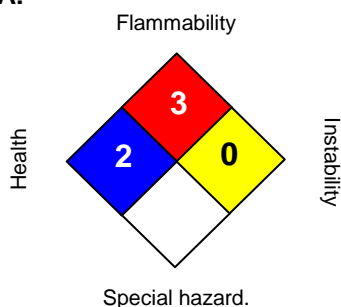
not determined

China Inventory of Existing Chemical Substances :

not determined

SECTION 16. OTHER INFORMATION

NFPA:



HMIS III:

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	2

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Issuing date : 06/23/2014
version : 1.0

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Prepared by : Regulatory Affairs 1-800-352-5326

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the MSDS.

The information provided in this Material 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 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.