

Safety Data Sheet

According to Regulation ST/SF/AC.10/30/UN GHS, Latest Revision

Revision: May 4, 2017

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1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Identifier

Product Name:

Product Code: PXO-000 / PURE

Chemical Family: Mixture

Application / Use: Aromatic Ingredients, Industrial and Commercial Odor Control

Details of the Supplier of the Manufactured for

Safety Data Sheet: Draco Hygienic Products Inc.

Prepared By:

Telephone number of preparer:

24-Hour Emergency Telephone Number : CANUTEC 613-996-6666

2. HAZARDS IDENTIFICATION

This mixture has not been tested as a whole. The effects, listed below, are based on evaluation of individual components in accordance with the provisions of the regulation(s) noted below.

Label Elements

GHS Label Elements



GHS07

GHS09

Signal Word

Warning

Hazard-determining components of labelling:

d-limonene ((R)-p-mentha-1,8-diene) / benzaldehyde / cinnamaldehyde / linalool

Hazard Statements

H315 Causes skin irritation

H319 Causes serious eye irritation

H317 May cause an allergic skin reaction

H302 + H312 +H 332 Harmful if swallowed, in contact with skin or if inhaled

H410 Very toxic to aquatic life with long lasting effects

H227 Combustible liquid

Precautionary Statements - Prevention

P280 Wear protective gloves/protective clothing/eye protection/face protection

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting

P264 Wash face, hands, and any exposed skin thoroughly after handling

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

P261: Avoid breathing fumes/vapors/spray

P271: Use only outdoors or in a well-ventilated area

Precautionary Statements - Response

P308+P313 If exposed or concerned: Get medical attention/advice.

P333+P313 If skin irritation or rash occurs, get medical advice/attention.

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P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses If eye irritation persists, get medical advice/attention.
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 P301+P310+P331 IF SWALLOWED: Immediately call a POISON CENTER or a doctor/physician. Do not induce vomiting.
 P362 Take off contaminated clothing and wash before reuse.
 P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
 P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.
 P403 Store in a well-ventilated place.

Precautionary Statements - Disposal

P273 Avoid release to the environment
 P501 Dispose of contents/container at an approved waste disposal plant

3. COMPOSITION / INFORMATION ON INGREDIENTS

This product is a mixture. The ingredients in this mixture are considered to be proprietary and will be revealed here only at the discretion of Ecolo. In the event of a genuine medical emergency, they will be revealed to a qualified health professional. In non-emergency situations, disclosure requests will be handled in accordance with the pertinent provisions of the OSHA Hazard Communication Standard.

Ingredients	EC Name	CAS#	EC #	Percentage (W/W)	Classification (DSD)	REACH No.
Ethylene glycol butyl ether	2-Butoxyethanol	111-76-2	203-905-0	40-60%	Acute Tox. Dermal 4 (H312) Acute Tox. Oral 4 (H302) Acute Tox. Inha 4 (H332) Skin Corr./Irr. 2 (H315) Serious eye dam./irr. 2A (H319)	No data available
d-limonene ((R)-p-mentha-1,8-diène)	Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (r)	5989-27-5	227-813-5	5-10%	Aquatic Chronic 1 (H410) Skin Irrit. 2 (H315) Flam. Liq. 3 (H226) Skin Sens. 1B (H317) Aquatic Acute 1 (H400) Asp. Tox. 1 (H304)	No data available
isopentyl acetate	1-butanol, 3-methyl-, acetate	123-92-2	204-662-3	5-10%	Flam. Liq. 3 (H226) Aquatic Acute 3 (H402)	No data available
benzaldehyde	benzaldehyde	100-52-7	202-860-4	5-10%	Acute Tox. 4 (H302) Acute Tox. 4 (H332) Eye Irrit. 2 (H319)STOT SE 3 - H335;H227, H316, H401	No data available
Cinnamaldehyde	Cinnamic aldehyde	104-55-2	203-213-9	5-10%	Acute Tox. 4 (H312) Skin Irrit. 2 (H315), Eye Irrit. 2 (H319) Skin Sens. 1A (H317) Acute Tox. 5 (H303, H401)	No data available
Linalool	1,6-octadien-3-ol,3,7-dimethyl	78-70-6	201-134-4	1-5%	Skin Irrit. 2 (H315) Eye Irrit. 2 (H319) Skin Sens. 1B (H317, H227) Acute Tox. 5 (H303, H402)	No data available
1-Decanol (Alcohol C10)	1-decanol	112-30-1	203-956-9	1-5%	Skin Corr. 3 (H316) Aquatic Acute 2(H401) Aquatic Chronic 2(H411) Eye Irrit. 2B (H320)	No data available
Eugenol	Phenol, 2-methoxy-4-(2-pronenyl)-	97-53-0	202-589-1	1-5%	Skin Corr. 3 (H316) Acute Tox. Oral 5 (H303) Skin Sens. 1B (H317) Aquatic Acute 2 (H401) Eye Irrit. 2A (H319)	No data available
Citral	2,6-octadienal, 3,7-dimethyl-	5392-40-5	226-394-6	1-5%	Aquatic Acute 2 (H401) Skin Sens. 1B (H317) Skin Irrit. 2 (H315) Eye Irrit. 2A (H319)	No data available

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					Acute Tox. Dermal 5 (H313)	
Benzyl acetate	Benzyl acetate	140-11-4	205-399-7	1-5%	Skin Corr. 3 (H316) Acute Tox. Oral 5 (H303) Aquatic Acute 2 (H401) Aquatic Chronic 3 (H412)	No data available
Alpha-Pinene	Pinene, alpha	80-56-8	201-291-9	1-5%	Acute Tox. Oral 5 (H303) Skin Sens. 1B (H317) Skin Irrit. 2 (H315) Asp. Tox. 1 (H304) Flam. Liq. 3 (H226) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	No data available

4. FIRST AID MEASURES

Inhalation: Remove from exposure site to fresh air and keep at rest. Obtain medical advice.

Eye Exposure: Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.

Skin Exposure: Remove contaminated clothes. Wash thoroughly with water (and soap). Contact physician if symptoms persist.

Ingestion: Rinse mouth with water and obtain medical advice. Drink plenty of water.

Most important symptoms and effects, both acute and delayed
Symptoms: no data available
Risks: Refer to Section 2 "Hazard Statements"

Indication of any immediate medical attention and special treatment needed
Treatment: Refer to Section 2 "Response"

Notes to Physician: Treat symptomatically

Hazards: Contact with eyes, skin and through inhalation

Treatment: No specific antidote. Treatment based on sound judgment of physician and individual reactions of patient.

5. FIRE FIGHTING MEASURES

Flammable Properties: Fire or intense heat may cause violent rupture of packages

Extinguishing media
Suitable: Carbon dioxide (CO₂), Dry chemical, Foam
Unsuitable: Do not use a direct water jet on burning material

Special hazards arising from the substance or mixture
During fire fighting: Water may be ineffective
Advice for firefighters: Standard procedure for chemical fires

Hazardous Decomposition Materials (under fire conditions): CO₂, CO

Specific Hazards Arising from the Chemical: Thermal decomposition can lead to release of irritating gases and vapors

Special Protective Equipment: In any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

NFPA Ratings for This Product Are:
 HEALTH 1, FLAMMABILITY 1, INSTABILITY 0, PERSONAL PROTECTION: "B"

HMIS Ratings for This Product Are:
 HEALTH 1, FLAMMABILITY 1, PHYSICAL HAZARD 0, PERSONAL PROTECTION: Safety Glasses and Gloves

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Avoid inhalation and contact with skin and eyes. A self-contained breathing apparatus is recommended in case of a major spill.
Environmental precautions	Keep away from drains, soil, and surface and groundwater.
Methods and materials for containment and cleaning up	Clean up spillage promptly. Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapors. Gross spillages should be contained by use of sand or inert powder and disposed of according to the local regulations.

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Reference to other sections Not Applicable

7. HANDLING AND STORAGE

Precautions for Safe Handling: Apply according to good manufacturing and industrial hygiene practices with proper ventilation. Do not eat, drink, or smoke while handling. Respect good personal hygiene.

Conditions for safe storage, including any incompatibilities: Store in a cool, dry and ventilated area away from heat sources and protected from light in tightly closed original container. Keep air contact to a minimum.

Specific End Uses: No information available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters

Exposure Limits: Contains no substances with occupational exposure limit values

Engineering Controls: Use local exhaust as needed

Exposure controls - Personal Protective Equipment

Eye Protection: Tightly sealed goggles, face shield, or safety glasses with brow guards and side shields etc. as may be appropriate for the exposure

Respiratory Protection: Avoid excessive inhalation of concentrated vapors. Apply local ventilation where appropriate

Skin protection: Avoid skin contact. Use chemically resistant gloves as needed. Wash with soap and water before eating, drinking, smoking or using the toilet.

Other Personal Protection Data: Eye wash kit should be available.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Color: Clear pale yellow to dark yellow

Odor: Aromatic odor

pH: Not applicable.

Melting point/range (°C): Not Determined

Boiling point/range (°C): Not Determined

Flash point (°C): 61 C / 142 F

Flammability (solid, gas): Not Applicable

Explosive properties: Not Expected

Oxidizing properties: Not Expected

Auto-Ignition temperature (°C): Not Available.

Vapor pressure (°C): Not Available.

Relative density (g/cm³): Not Applicable

Water solubility (20°C in g/l): Insoluble.

Partition coefficient n-Octanol/Water (log Po/w): Not Available.

Viscosity, dynamic (mPa s): Not Available.

Vapor density: >1

Evaporation rate: <1

Dust explosion hazard: Not Applicable

Other information (where applicable like surface tension, miscibility, fat solubility, conductivity, gas group, etc): Not Available

Specific Gravity: 0.89 – 0.94

% Volatile by Volume: Not Available

10. STABILITY AND REACTIVITY

Reactivity: No dangerous reaction known under conditions of normal use.

Chemical Stability: Stable under recommended storage conditions

Possibility of Hazardous Reactions: None known

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Conditions to Avoid:	Extremes of temperature and direct sunlight
Incompatible Materials:	Keep away from strong oxidizing agents, strong acids, and alkalis
Hazardous Decomposition Products:	None known

11. TOXICOLOGICAL INFORMATION

Acute Toxicity Estimates (ATEs) based on the individual Ingredient Toxicity Data utilizing the "Additivity Formula"
Acute toxicity - Oral - (Rat) mg/kg (LD50: >5000). The classification criteria are not met.
Acute toxicity - Dermal - (Rabbit) mg/kg (LD50: >5000) The classification criteria are not met.
Acute toxicity - Inhalation - (Rat) mg/L/4hr (LC50: 25) May be irritating if inhaled
Skin corrosion / irritation Causes skin irritation
Serious eye damage / irritation Causes serious eye irritation
Respiratory sensitization Not classified - the classification criteria are not met
Skin sensitization May cause an allergic skin reaction
Germ cell mutagenicity Not classified - the classification criteria are not met
Carcinogenicity Not classified - the classification criteria are not met
Reproductive toxicity Not classified - the classification criteria are not met
Specific target organ toxicity - single exposure Not classified - the classification criteria are not met
Specific target organ toxicity - repeated exposure Not classified - the classification criteria are not met
Aspiration hazard Not classified - the classification criteria are not met

12. ECOLOGICAL INFORMATION

Toxicity	This product contains a chemical which is listed as a marine pollutant according to DOT
Aquatic toxicity Information	Not classified – the classification criteria are not met
Chronic aquatic toxicity	Not classified – the classification criteria are not met
Soil toxicity Information	no data available
Persistence and degradability	no data available
Bioaccumulative potential	no data available
Mobility in soil	no data available
Other adverse effects	no data available

13. DISPOSAL CONSIDERATIONS

Waste management measures	Can be incinerated, when in compliance with local regulations. Can be landfilled when in compliance with local regulations. Do not allow product to reach sewage systems. The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container.
Appropriate disposal of packaging:	Empty containers should be rinsed with hot water a minimum of three times and recycled or disposed of through an approved waste management facility.

14. TRANSPORT INFORMATION

US DOT (Non-Bulk)	Not regulated as a hazardous material or dangerous good for transportation.
ICAO/IATA	Not regulated as a hazardous material or dangerous good for transportation.
IMO/IMDG	Not regulated as a hazardous material or dangerous good for transportation.
RID/ADR	Not regulated as a hazardous material or dangerous good for transportation.

15. REGULATORY INFORMATION

European Union (EINECS, ELINCS or NLP):	100.00% (by Wt) of the components are listed or exempt.
Australian AICS:	100.00% (by Wt) of the ingredients on AICS or notified
Chinese IECS:	100.00% (by Wt) of the ingredients on IECS.
Japan ENCS:	100.00% (by Wt) of the ingredients on ENCS, fall within the 1000 kilogram per annum exemption or have been notified.
Korea KECL:	100.00% (by Wt) of the ingredients on KECL, fall within the 100 kilogram

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New Zealand NZIoC: per annum exemption or have been notified.
100.00% (by Wt) of the ingredients on NZIoC.
Philippines PICCS: 100.00% (by Wt) of the ingredients on PICCS.

U.S. Federal Regulations

TSCA (Toxic Substance Control Act

All components of the substance/mixture are listed or exempt

40 CFR (EPCRA, SARA, CERCLA and CAA)

This product contains no components of concern.

U.S. State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

Canada:

WHMIS Classification:

D2B. Possible irritation to eyes

CPR Compliance:

This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all the information required by the CPR.

16. OTHER INFORMATION

NOTICE TO READER:

All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, Ecolo makes no representations as to its accuracy or sufficiency. Conditions of use are beyond Ecolo's control and therefore users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product, or from the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.

This safety data sheet is based on the properties of the material known to Ecolo Odor Control Technologies Inc. at the time the data sheet was issued. The safety data sheet is intended to provide information for a health and safety assessment of the material and the circumstances, under which it is packaged, stored or applied in the workplace. For such a safety assessment Ecolo holds no responsibility. This document is not intended for quality assurance purposes.

END OF SDS