Plink Garbage Disposal Freshener & Cleaner - Fresh Lemon

Safety Data Sheet

According to SOR/2015-17, Hazardous Products Regulations (HPR) (amended 2022) & According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS) (amended 2024)
Issue date: 10/28/2025 Revision date: 10/28/2025 Supersedes: 06/27/2024 Version: 5.1

SECTION 1 Identification

1.1. GHS Product identifier

Product form : Mixture
Trade name : Plink Garbage Disposal Freshener & Cleaner - Fresh Lemon

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

No additional information available

1.4. Supplier's details

Iron Out dba Summit Brands
6714 Pointe Inverness Way, Suite 200
Fort Wayne, IN, 46804-7935
USA
T 260-483-2519

1.5. Emergency phone number

Emergency number : 1-800-424-9300 (CHEMTREC)

SECTION 2 Hazard identification

2.1. Classification of the substance or mixture

Classification (GHS CA/US)

Flammable liquids, Category 3	Flammable liquid and vapor.
Skin corrosion/irritation, Category 2	Causes skin irritation.
Skin sensitization, Category 1	May cause an allergic skin reaction.
Carcinogenicity, Category 2	Suspected of causing cancer.
Reproductive toxicity, Category 2	Suspected of damaging fertility or the unborn child.

2.2. GHS label elements, including precautionary statements

GHS CA/US labeling

Hazard pictograms (GHS CA/US) :

Signal word (GHS CA/US) : Warning

Hazard statements (GHS CA/US) : Flammable liquid and vapor
Causes skin irritation
May cause an allergic skin reaction
Suspected of causing cancer.
Suspected of damaging fertility or the unborn child

Precautionary statements (GHS CA/US) : Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Keep container tightly closed.

Ground and bond container and receiving equipment.
Use explosion-proof equipment.
Use non-sparking tools.
Take action to prevent static discharges.
Avoid breathing mist, vapors.
Wash hands, forearms and face thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective clothing, eye and face protection.
IF ON SKIN: Wash with plenty of water.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
IF exposed or concerned: Get medical advice or attention.
Specific treatment (see supplemental first aid instruction on this label).
If skin irritation occurs: Get medical advice or attention.
If skin irritation or rash occurs: Get medical advice or attention.
Take off contaminated clothing and wash it before reuse.
In case of fire: Use appropriate media to extinguish.
Store in a well-ventilated place. Keep cool.
Store locked up.
Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

Supplementary information :

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Chemical name / Synonyms	Product identifier	%
D-Limonene	(R)-p-mentha-1,8-diene, d-limonene Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (4R)- / Cyclohexene, 1-methyl-4-(1-methylethenyl)-, (R)- / (R)-p-Mentha-1,8-diene / p-Mentha-1,8-diene, (R)-(+)- / Limonene, D- / Menthadiene, 1,8(9)-p- / d-Limonene / Limonene, d- / (4R)-1-Methyl-4-(1-methylethenyl)cyclohexene / (4R)-p-Mentha-1,8-diene / 1-Methyl-4-prop-1-en-2-yl-cyclohexene / (R)-1-Methyl-4-(1-methylethenyl)cyclohexene / d-LIMONENE / (R)-1-Methyl-4-(1-methylethenyl)cyclohex-1-ene / (R)-4-Isopropenyl-1-methylcyclohex-1-ene / Limonene / Limonene, (+)-	CAS-No.: 5989-27-5	45 – 60
1,4-Cyclohexadiene, 1-methyl-4-(1-methylethyl)-	Cyclohexa-1,4-diene, 1-methyl-4-(1-methylethyl)- / 1,4-Cyclohexadiene, 1-methyl-4-isopropyl- / p-Mentha-1,4-diene / 1-Methyl-4-isopropylcyclohexadiene-1,4 / .gamma.-Terpinene / 1,4-p-Menthadiene / Isopropyl-1-methyl-1,4-cyclohexadiene, 4- / 1-Methyl-4-(1-methylethyl)-cyclohexa-1,4-diene / GAMMA-TERPINENE	CAS-No.: 99-85-4	5 – 7
Lanolin	Lanolin oil / LANOLIN / Lanolin, anhydrous / Lanolin (Fat-like substance derived from sheep wool. Contains a complex combination of esters and polyesters, consisting chiefly of cholesteryl and isocholesteryl esters of the higher fatty acids.) / LANOLIN OIL	CAS-No.: 8006-54-0	5 – 7

Name	Chemical name / Synonyms	Product identifier	%
.beta.-Pinene	Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene- / Pin-2(10)-ene / 2(10)-Pinene / Pseudopinene / 6,6-Dimethyl-2-methylenebicyclo[3.1.1]heptane / (-)-Pin-2(10)-ene / BETA-PINENES	CAS-No.: 127-91-3	3 – 5
Myrcene	7-Methyl-3-methylene-1,6-octadiene / 7-Methyl-3-methyleneocta-1,6-diene / 3-Methylene-7-methyl-1,6-octadiene / 1,6-Octadiene, 7-methyl-3-methylene- / .beta.-Myrcene / MYRCENE	CAS-No.: 123-35-3	3 – 5
.alpha.-Pinene	(.+-.)-.alpha.-Pinene / 2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene / 2-Pinene / Pin-2(3)-ene / Bicyclo[3.1.1]hept-2-ene, 2,6,6-trimethyl-	CAS-No.: 80-56-8	3 – 5
Terpinolene	Cyclohexene, 1-methyl-4-(1-methylethylidene)- / p-Mentha-1,4(8)-diene / 4-Isopropylidene-1-methylcyclohexene / 1,4-Terpinolene / 1-Methyl-4-isopropylidenecyclohex-1-ene / MSOL / TERPINOLENE / terpinolene	CAS-No.: 586-62-9	3 – 5
1,3-Cyclohexadiene, 1-methyl-4-(1-methylethyl)-	p-mentha-1,3-diene; 1-isopropyl-4-methylcyclohexa-1,3-diene; alpha-terpinene Cyclohexa-1,3-diene, 1-methyl-4-(1-methylethyl)- / 1,3-Cyclohexadiene, 1-methyl-4-isopropyl- / p-Mentha-1,3-diene / 1-Methyl-4-isopropylcyclohexadiene-1,3 / .alpha.-Terpinene / Isopropyl-1-methyl-1,3-cyclohexadiene, 4- / ALPHA-TERPINENE	CAS-No.: 99-86-5	3 – 5
Oils, eucalyptus	Eucalyptus oil / Eucalyptus globulus leaves / Oil, eucalyptus / EUCALYPTUS GLOBULUS OIL / Eucalyptus oil (Eucalyptus globulus Labille) / EUCALYPTUS CITRIODORA LEAF EXTRACT / Eucalyptus globus leaf oil / Eucalyptus globulus, extract / EUCALYPTUS OIL / Eucalyptus globulus leaf oil / Eucalyptus globulus oil	CAS-No.: 8000-48-4	0.1 – 0.5

Comments : All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

CANADA GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with the amended HPR as of December 2022.

US GHS: The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

SECTION 4 First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. If you feel unwell, seek medical advice.

First-aid measures after skin contact : IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical help. Take off contaminated clothing and wash it before reuse. Obtain medical attention if irritation persists.

First-aid measures after eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if irritation persists.

First-aid measures after ingestion : Do not induce vomiting. If vomiting occurs have person lean forward. Never give anything by mouth to an unconscious person. Call a poison center or a doctor if you feel unwell.

First-aid measures general : If you feel unwell, seek medical advice (show the label where possible). Medical personnel should be made aware of substance(s) involved and take measures for self protection. Show this safety data sheet to the doctor in attendance. Avoid contact with skin and eyes. Keep out of the reach of children.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation : Prolonged inhalation may be harmful.

Symptoms/effects after skin contact	:	Causes skin irritation. May cause an allergic skin reaction. Symptoms may include redness, edema, drying, defatting and cracking of the skin.
Symptoms/effects after eye contact	:	Direct contact with eyes may cause temporary irritation.
Symptoms/effects after ingestion	:	May cause stomach distress, nausea or vomiting.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment	:	Symptoms may be delayed.

SECTION 5 Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media	:	Dry chemical, CO2, or water spray or regular foam.
Unsuitable extinguishing media	:	Do not use a water jet since it may cause the fire to spread.

5.2. Specific hazards arising from the chemical

Fire hazard	:	Flammable liquid and vapor. During fire, gases hazardous to health may be formed. In case of fire or explosion do not breathe fumes.
Explosion hazard	:	No direct explosion hazard.
Hazardous decomposition products in case of fire	:	May include and are not limited to: oxides of carbon.

5.3. Special protective actions for fire-fighters

Firefighting instructions	:	Move containers from fire area if it can be done without personal risk.
Protection during firefighting	:	Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	:	Keep unnecessary personnel away. For personal protection, see section 8 of the SDS. In the event of a significant spillage : Notify authorities if product enters sewers or public waters.
Environmental precautions	:	Avoid release to the environment.

6.2. Methods and materials for containment and cleaning up

For containment	:	Stop leaks if it can be done without personal risk. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up	:	Notify authorities if product enters sewers or public waters. Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). Take up mechanically (sweeping, shoveling) and collect in suitable container for disposal. Clean contaminated surfaces with an excess of water.
Other information	:	This material and its container must be disposed of in a safe way, and as per local legislation.

For further information refer to section 13

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Avoid contact with skin and eyes. Do not taste or swallow. Ensure good ventilation of the work station. Handle and open container with care.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Take off contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Keep container tightly closed. Keep out of reach of children. Store tightly closed in a dry, cool and well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

Incompatible materials : Strong oxidizing agents.

Packaging materials : Store always product in container of same material as original container.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

.beta.-Pinene (127-91-3)	
Canada (Alberta) - Occupational Exposure Limits	
OEL TWA	111 mg/m³ (Turpentine and selected monoterpenes)
	20 ppm (Turpentine and selected monoterpenes)
Notations and remarks	Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.
Regulatory reference	Alberta Regulation 191/2021
Canada (Quebec) - Occupational Exposure Limits	
VEMP (OEL TWAEV)	112 mg/m³ (Turpentine and certain monoterpenes)
	20 ppm (Turpentine and certain monoterpenes)
Notations and remarks	S(D)
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Canada (British Columbia) - Occupational Exposure Limits	
OEL TWA	20 ppm (Turpentine and selected monoterpenes)
Notations and remarks	S(D) (substance with specific evidence of sensitization by dermal route)
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
OEL TWA	112 mg/m³
	20 ppm (Turpentine and selected monoterpenes)
Notations and remarks	TLV® Basis: Lung irr. Notations: DSEN; A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025

.beta.-Pinene (127-91-3)	
Canada (New Brunswick) - Occupational Exposure Limits	
OEL TWA	20 ppm (Turpentine and selected monoterpenes)
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
OEL TWA	112 mg/m³
	20 ppm (Turpentine and selected monoterpenes)
Notations and remarks	TLV® Basis: Lung irr. Notations: DSEN; A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025
Canada (Nova Scotia) - Occupational Exposure Limits	
OEL TWA	112 mg/m³
	20 ppm (Turpentine and selected monoterpenes)
Notations and remarks	TLV® Basis: Lung irr. Notations: DSEN; A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025
Canada (Nunavut) - Occupational Exposure Limits	
OEL TWA	20 ppm (Turpentine and selected monoterpenes)
OEL STEL	30 ppm (Turpentine and selected monoterpenes)
Notations and remarks	SEN
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
Canada (Northwest Territories) - Occupational Exposure Limits	
OEL TWA	20 ppm (Turpentine and selected monoterpenes)
OEL STEL	30 ppm (Turpentine and selected monoterpenes)
Notations and remarks	SEN
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-090-2024)
Canada (Ontario) - Occupational Exposure Limits	
OEL TWAEV	20 ppm (Turpentine and selected monomers)
Regulatory reference	Ontario Occuational Exposure Limits under Regulation 833
Canada (Prince Edward Island) - Occupational Exposure Limits	
OEL TWA	112 mg/m³
	20 ppm (Turpentine and selected monoterpenes)
Notations and remarks	TLV® Basis: Lung irr. Notations: DSEN; A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025
Canada (Saskatchewan) - Occupational Exposure Limits	
OEL TWA	20 ppm (Turpentine and selected monoterpenes)
OEL STEL	30 ppm (Turpentine and selected monoterpenes)
Notations and remarks	SEN
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	112 mg/m³

.beta.-Pinene (127-91-3)	
	20 ppm (Turpentine and selected Monoterpenes)
Remark (ACGIH)	TLV® Basis: Lung irr. Notations: DSEN; A4 (Not classifiable as a Human Carcinogen)
ACGIH chemical category	Not Classifiable as a Human Carcinogen, dermal sensitizer
Regulatory reference	ACGIH 2025

Myrcene (123-35-3)	
Canada (British Columbia) - Occupational Exposure Limits	
Notations and remarks	IARC group 2B carcinogen
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)

.alpha.-Pinene (80-56-8)	
Canada (Alberta) - Occupational Exposure Limits	
OEL TWA	111 mg/m³ (Turpentine and selected monoterpenes)
	20 ppm (Turpentine and selected monoterpenes)
Notations and remarks	Occupational exposure limit is based on irritation effects and its adjustment to compensate for unusual work schedules is not required.
Regulatory reference	Alberta Regulation 191/2021
Canada (Quebec) - Occupational Exposure Limits	
VEMP (OEL TWAEV)	112 mg/m³ (Turpentine and certain monoterpenes)
	20 ppm (Turpentine and certain monoterpenes)
Notations and remarks	S(D)
Regulatory reference	S-2.1, r. 13 - Regulation respecting occupational health and safety
Canada (British Columbia) - Occupational Exposure Limits	
OEL TWA	20 ppm (Turpentine and selected monoterpenes)
Notations and remarks	S(D) (substance with specific evidence of sensitization by dermal route)
Regulatory reference	OHS Guidelines Part 5: Chemical Agents and Biological Agents (WorkSafe BC)
Canada (Manitoba) - Occupational Exposure Limits	
OEL TWA	112 mg/m³
	20 ppm (Turpentine and selected monoterpenes)
Notations and remarks	TLV® Basis: Lung irr. Notations: DSEN; A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025
Canada (New Brunswick) - Occupational Exposure Limits	
OEL TWA	20 ppm (Turpentine and selected monoterpenes)
Canada (Newfoundland and Labrador) - Occupational Exposure Limits	
OEL TWA	112 mg/m³
	20 ppm (Turpentine and selected monoterpenes)
Notations and remarks	TLV® Basis: Lung irr. Notations: DSEN; A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025

.alpha.-Pinene (80-56-8)	
Canada (Nova Scotia) - Occupational Exposure Limits	
OEL TWA	112 mg/m³
	20 ppm (Turpentine and selected monoterpenes)
Notations and remarks	TLV® Basis: Lung irr. Notations: DSEN; A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025
Canada (Nunavut) - Occupational Exposure Limits	
OEL TWA	20 ppm (Turpentine and selected monoterpenes)
OEL STEL	30 ppm (Turpentine and selected monoterpenes)
Notations and remarks	SEN
Regulatory reference	Occupational Health and Safety Regulations, Nu Reg 003-2016 (Amendment R-044-2021)
Canada (Northwest Territories) - Occupational Exposure Limits	
OEL TWA	20 ppm (Turpentine and selected monoterpenes)
OEL STEL	30 ppm (Turpentine and selected monoterpenes)
Notations and remarks	SEN
Regulatory reference	Occupation Health and Safety Regulations R-039-2015 (R-090-2024)
Canada (Ontario) - Occupational Exposure Limits	
OEL TWAEV	20 ppm (Turpentine and selected monomers)
Regulatory reference	Ontario Occuational Exposure Limits under Regulation 833
Canada (Prince Edward Island) - Occupational Exposure Limits	
OEL TWA	112 mg/m³
	20 ppm (Turpentine and selected monoterpenes)
Notations and remarks	TLV® Basis: Lung irr. Notations: DSEN; A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025
Canada (Saskatchewan) - Occupational Exposure Limits	
OEL TWA	20 ppm (Turpentine and selected monoterpenes)
OEL STEL	30 ppm (Turpentine and selected monoterpenes)
Notations and remarks	SEN
Regulatory reference	The Occupational Health and Safety Regulations, 2020. Chapter S-15.1 Reg 10
USA - ACGIH - Occupational Exposure Limits	
ACGIH OEL TWA	112 mg/m³
	20 ppm (Turpentine and selected Monoterpenes)
Remark (ACGIH)	TLV® Basis: Lung irr. Notations: DSEN; A4 (Not classifiable as a Human Carcinogen)
ACGIH chemical category	Not Classifiable as a Human Carcinogen, dermal sensitizer
Regulatory reference	ACGIH 2025

8.2. Appropriate engineering controls

Appropriate engineering controls	:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.
Environmental exposure controls	:	Avoid release to the environment.

8.3. Individual protection measures, such as personal protective equipment (PPE)

Hand protection:
Wear protective gloves. Confirm with a reputable supplier first.

Eye protection:
Wear eye protection

Skin and body protection:
Wear suitable protective clothing. As required by employer code.

Respiratory protection:
Where exposure guideline levels may be exceeded, use an approved NIOSH respirator. Respirator should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134), CAN/CSA-Z94.4 and ANSI's standard for respiratory protection (Z88.2).

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	:	Liquid
Appearance	:	Solid bead containing liquid inside.
Color	:	Cloudy Pale yellow
Odor	:	Lemon
Odor threshold	:	No data available
pH	:	No data available
Relative evaporation rate (butyl acetate=1)	:	No data available
Relative evaporation rate (ether=1)	:	No data available
Melting point	:	Not applicable
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	111 – 113 °F (43.9 - 45.0 °C) Setaflash
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	No data available
Vapor pressure	:	No data available
Relative vapor density at 20°C	:	No data available
Relative density	:	No data available
Solubility	:	No data available
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Viscosity, kinematic	:	No data available
Explosive properties	:	Not explosive.
Oxidizing properties	:	Not oxidising.
Explosion limits	:	No data available
Particle characteristics	:	No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

Reactivity	:	Flammable liquid and vapor.
Chemical stability	:	Stable under normal conditions.
Possibility of hazardous reactions	:	No dangerous reactions known under normal conditions of use.
Conditions to avoid	:	Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.
Incompatible materials	:	Strong oxidizing agents.
Hazardous decomposition products	:	May include and are not limited to: oxides of carbon.

SECTION 11 Toxicological information

11.1. Likely routes of exposure

Acute toxicity (oral)	:	Not classified
Acute toxicity (dermal)	:	Not classified
Acute toxicity (inhalation)	:	Not classified.

D-Limonene (5989-27-5)	
LD50 oral rat	4400 mg/kg (Source: CHEMVIEW)
LD50 dermal rabbit	> 5 g/kg (Source: CHEMVIEW)
LC50 Inhalation - Rat (Vapors)	> 20 mg/l/4h

Lanolin (8006-54-0)	
LD50 oral rat	> 5000 mg/kg (Source: IUCLID)

Oils, eucalyptus (8000-48-4)	
LD50 oral rat	2480 mg/kg (Source: NLM_CIP)

1,4-Cyclohexadiene, 1-methyl-4-(1-methylethyl)- (99-85-4)	
LD50 oral rat	3650 mg/kg (Source: NLM_CIP)
LD50 dermal rat	> 2000 mg/kg (Source: ECHA_API)

.beta.-Pinene (127-91-3)	
LD50 oral rat	> 5000 mg/kg (Source: EPA_HPV)
LD50 dermal rabbit	> 5000 mg/kg (Source: CHEMVIEW)

Myrcene (123-35-3)	
LD50 oral rat	> 5 g/kg (Source: EPA_HPV)
LD50 oral	> 3380 mg/kg body weight Animal: mouse
LD50 dermal rabbit	> 5 g/kg (Source: CHEMVIEW)

.alpha.-Pinene (80-56-8)	
LD50 oral rat	3700 mg/kg (Source: NLM_CIP)
LD50 dermal rat	> 5000 mg/kg (Source: CHEMVIEW)

Terpinolene (586-62-9)	
LD50 oral rat	4390 mg/kg (Source: NLM_CIP)

Terpinolene (586-62-9)	
LD50 dermal rat	> 2000 mg/kg (Source: ECHA_API)

1,3-Cyclohexadiene, 1-methyl-4-(1-methylethyl)- (99-86-5)	
LD50 oral rat	1680 mg/kg (Source: NLM_CIP)
LD50 dermal rat	> 2000 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)

Skin corrosion/irritation : Causes skin irritation.

Serious eye damage/irritation : Not classified

Respiratory or skin sensitization : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Suspected of causing cancer.

D-Limonene (5989-27-5)	
IARC group	3 - Not classifiable
National Toxicity Program (NTP) Status	Evidence of Carcinogenicity

Myrcene (123-35-3)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicity Program (NTP) Status	Evidence of Carcinogenicity

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

1,4-Cyclohexadiene, 1-methyl-4-(1-methylethyl)- (99-85-4)	
NOAEL (animal/male, F0/P)	250 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
NOAEL (animal/female, F0/P)	100 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
NOAEL (animal/male, F1)	250 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
NOAEL (animal/female, F1)	100 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

Terpinolene (586-62-9)	
NOAEL (animal/male, F0/P)	294.6 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)
NOAEL (animal/female, F0/P)	161.5 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test)

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Myrcene (123-35-3)	
LOAEL (oral,rat,90 days)	250 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)

Myrcene (123-35-3)	
NOAEL (subchronic,oral,animal/male,90 days)	500 mg/kg body weight Animal: mouse, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEL (subchronic,oral,animal/female,90 days)	250 mg/kg body weight Animal: mouse, Animal sex: female, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)

Aspiration hazard : Not classified

Likely routes of exposure : Skin and eye contact. Ingestion. Inhalation.

Symptoms/effects after inhalation : Prolonged inhalation may be harmful.

Symptoms/effects after skin contact : Causes skin irritation. May cause an allergic skin reaction. Symptoms may include redness, edema, drying, defatting and cracking of the skin.

Symptoms/effects after eye contact : Direct contact with eyes may cause temporary irritation.

Symptoms/effects after ingestion : May cause stomach distress, nausea or vomiting.

SECTION 12 Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short–term (acute) : Not classified.

Hazardous to the aquatic environment, long–term (chronic) : Not classified.

D-Limonene (5989-27-5)	
LC50 - Fish [1]	0.619 – 0.796 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through] Source: EPA)
LC50 - Fish [2]	35 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss Source: EPA)
EC50 - Crustacea [1]	0.307 mg/l Test organisms (species): Daphnia magna
EC50 - Crustacea [2]	0.51 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	0.32 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	0.214 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)

1,4-Cyclohexadiene, 1-methyl-4-(1-methylethyl)- (99-85-4)	
EC50 - Crustacea [1]	10.189 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	> 10.82 mg/l Test organisms (species): Scenedesmus capricornutum

Myrcene (123-35-3)	
EC50 - Crustacea [1]	1.47 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	0.342 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)
EC50 72h - Algae [2]	0.31 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)

.alpha.-Pinene (80-56-8)	
LC50 - Fish [1]	0.28 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static] Source: IUCLID)
EC50 - Crustacea [1]	41 mg/l (Exposure time: 48 h - Species: Daphnia magna)

Terpinolene (586-62-9)	
LC50 - Fish [1]	0.805 mg/l (Exposure time: 96 h - Species: Danio rerio [semi-static] Source: ECHA)
EC50 - Crustacea [1]	0.634 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	11.69 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)

1,3-Cyclohexadiene, 1-methyl-4-(1-methylethyl)- (99-86-5)	
LC50 - Fish [1]	3150 µg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [1]	1.7 mg/l Test organisms (species): Daphnia magna

12.2. Persistence and degradability

D-Limonene (5989-27-5)	
Persistence and degradability	Rapidly degradable

Lanolin (8006-54-0)	
Persistence and degradability	Rapidly degradable

Oils, eucalyptus (8000-48-4)	
Persistence and degradability	Rapidly degradable

1,4-Cyclohexadiene, 1-methyl-4-(1-methylethyl)- (99-85-4)	
Persistence and degradability	Rapidly degradable

.beta.-Pinene (127-91-3)	
Persistence and degradability	Rapidly degradable

Myrcene (123-35-3)	
Persistence and degradability	Rapidly degradable

.alpha.-Pinene (80-56-8)	
Persistence and degradability	Rapidly degradable

Terpinolene (586-62-9)	
Persistence and degradability	Rapidly degradable

1,3-Cyclohexadiene, 1-methyl-4-(1-methylethyl)- (99-86-5)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential

D-Limonene (5989-27-5)	
Partition coefficient n-octanol/water (Log Pow)	4.38 (at 37 °C (at pH 7.2)

1,4-Cyclohexadiene, 1-methyl-4-(1-methylethyl)- (99-85-4)	
Partition coefficient n-octanol/water (Log Pow)	5.4 (at 25 °C (at pH >=2-<=8)

Myrcene (123-35-3)	
Partition coefficient n-octanol/water (Log Pow)	4.82 (at 30 °C (at pH 6.5)

.alpha.-Pinene (80-56-8)	
Partition coefficient n-octanol/water (Log Pow)	4.1

1,3-Cyclohexadiene, 1-methyl-4-(1-methylethyl)- (99-86-5)	
Partition coefficient n-octanol/water (Log Pow)	5.3 (at 35 °C)

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone : Not classified

Fluorinated greenhouse gases : No

SECTION 13 Disposal considerations

Waste treatment methods : Dispose of the material collected according to regulations.

Sewage disposal recommendations : Disposal must be done according to official regulations.

Product/Packaging disposal recommendations : Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling, disposal or collection. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Additional information : Flammable vapors may accumulate in the container.

SECTION 14 Transport information

In accordance with TDG / DOT

General information: Classification Method: Classified as per Part 2, Sections 2.1 – 2.8 of the Transportation of Dangerous Goods Regulations. If applicable, the technical name and the classification of the product will appear below. ; DOT - 49 CFR 173.150 (f) - Combustible Liquid Exemption

TDG	DOT
14.1. UN Number	
UN1993	Not regulated
14.2. UN Proper Shipping Name	
FLAMMABLE LIQUID, N.O.S. (D-Limonene)	Not regulated
Transport document description	
UN1993 FLAMMABLE LIQUID, N.O.S. (D-Limonene), 3, III	Not regulated
14.3. Transport hazard class(es)	
3 (LTD QTY)	Not regulated
	Not regulated
14.4. Packing group, if applicable	
III	Not regulated
14.5. Environmental hazards	
Dangerous for the environment: No	Not regulated

TDG	DOT
No supplementary information available	

14.6. Special precautions for user

TDG

UN-No. (TDG)	:	UN1993
TDG Special Provisions	:	16 - (1) The technical name of at least one of the most dangerous substances that predominantly contributes to the danger or dangers posed by the dangerous goods must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(ii)(A). The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3). (2) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical name: (a) UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S; (b) UN1851, MEDICINE, LIQUID, TOXIC, N.O.S; (c) UN3140, ALKALOID SALTS, LIQUID, N.O.S. or ALKALOIDS, LIQUID, N.O.S; (d) UN3248, MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S; or (e) UN3249, MEDICINE, SOLID, TOXIC, N.O.S. (3) Despite subsection (1), the technical name for the following dangerous goods is not required to be shown on a small means of containment: (a) UN2814, INFECTIOUS SUBSTANCE, AFFECTING HUMANS; or (b) UN2900, INFECTIOUS SUBSTANCE, AFFECTING ANIMALS,150 - An approved ERAP is required for the dangerous goods referred to in paragraph 7.2(1)(f) of Part 7 (Emergency Response Assistance Plan).
Explosive Limit and Limited Quantity Index	:	5 L
Excepted quantities (TDG)	:	E1
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	:	60 L
Emergency Response Guide (ERG) Number	:	128

DOT

Not regulated

14.7. Transport in bulk according to Annex II of MARPOL 73/789(^9) and the IBC Code(^10)

Not applicable

SECTION 15 Regulatory information

All components of this product are present on DSL

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Component	State or local regulations
1,2,3-Propanetriol(56-81-5)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List
Paraffin waxes and Hydrocarbon waxes(8002-74-2)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List
Lanolin(8006-54-0)	U.S. - Pennsylvania - RTK (Right to Know) List
Propylene Glycol(57-55-6)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
.alpha.-Pinene(80-56-8)	U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List; U.S. - Massachusetts - Right To Know List
Terpinolene(586-62-9)	U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16 Other Information

Issue date : 10/28/2025
Revision date : 10/28/2025
Supersedes : 06/27/2024

Other information : For an updated SDS, please contact the supplier or manufacturer listed on the first page of the document.

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