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BULK SUPPLIES

SAFETY DATA SHEET
SMOKED CHERRY PRALINE FRAGRANCE OIL

1. PRODUCT INFORMATION AND COMPANY IDENTIFICATION

Product Name: Smoked Cherry Praline Fragrance Oil

Company: Natural Bulk Supplies, 318 Half Day Rd, # 348,
Buffalo Grove, IL 60089 Phone: 847-489-7180

Emergency Contact: Infotrac: 800-535-5053(North America) +1-352-323-3500 (International)

2. HAZARD IDENTIFICATION

Classification of the substance or mixture
GHS US classification
Skin corrosion/irritation
Category 2
H315 Causes skin irritation

Skin sensitization,
Category 1
H317 May cause an allergic skin reaction

Full text of H statements : see section 16

GHS Label elements, including precautionary statements
GHS US labeling
Hazard pictograms (GHS US)

Signal word (GHS US) : Warning

Hazard statements (GHS US)
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction

Precautionary statements (GHS US)

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 - Wash hands, forearms and face thoroughly after handling.
P272 - Contaminated work clothing must not be allowed out of the workplace.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 - If on skin: Wash with plenty of water.
P321 - Specific treatment (see supplemental first aid instruction on this label).
P332+P313 - If skin irritation occurs: Get medical advice/attention.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P363 - Wash contaminated clothing before reuse.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Other hazards which do not result in classification
No additional information available

Unknown acute toxicity (GHS US)
Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances
Not applicable

Mixtures

Name	Product identifier	%	GHS US classification
1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone	(CAS-No.) 54464-57-2	5 – 10	Skin Irrit. 2, H315 Skin Sens. 1B, H317
2-ethyl-3-hydroxypyran-4-one	(CAS-No.) 4940-11-8	1 – 5	Acute Tox. 4 (Oral), H302
2H-pyran-4-ol, tetrahydro-4-methyl-2-(2-methylpropyl)-	(CAS-No.) 63500-71-0	1 – 5	Eye Irrit. 2A, H319
LINALYL ACETATE	(CAS-No.) 115-95-7	1 – 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2B, H320 Skin Sens. 1B, H317
ETHYL VANILLIN	(CAS-No.) 121-32-4	1 – 5	Eye Irrit. 2B, H320

LIMONENE	(CAS-No.) 5989-27-5	1 – 5	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304
BENZYL BENZOATE	(CAS-No.) 120-51-4	1 – 5	Acute Tox. 4 (Oral), H302
2-Ethyl-4-(2,2,3-trimethyl-3-cyclopenten-1-yl)-2-buten-1-ol	(CAS-No.) 28219-61-6	1 – 5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319
LINALOOL	(CAS-No.) 78-70-6	1 – 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317
DAMASCONE DELTA	(CAS-No.) 57378-68-4	< 0.5	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1A, H317
CITRAL	(CAS-No.) 5392-40-5	< 0.5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317

Full text of hazard classes and H-statements : see section 16

4. FIRST AID MEASURES

Description of first aid measures

First-aid measures general

If you feel unwell, seek medical advice.

First-aid measures after inhalation

Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact

Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact

Rinse eyes with water as a precaution.

First-aid measures after ingestion

Call a poison center/doctor/physician if you feel unwell.

Most important symptoms and effects (acute and delayed)
Symptoms/effects after inhalation
Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.

Symptoms/effects after skin contact
Irritation. May cause an allergic skin reaction.

Symptoms/effects after eye contact
None under normal conditions.

Symptoms/effects after ingestion
None under normal conditions.

Immediate medical attention and special treatment, if necessary
Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media
Suitable extinguishing media
Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media
Do not use a heavy water stream.

Specific hazards arising from the chemical
Fire hazard : No fire hazard.
Explosion hazard : No direct explosion hazard.

Special protective equipment and precautions for fire-fighters
Firefighting instructions
Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.

Protection during firefighting
Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
General measures

Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material-damage.

For non-emergency personnel
Protective equipment
Wear recommended personal protective equipment.

Emergency procedures
Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.

For emergency responders
Protective equipment
Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures
Evacuate unnecessary personnel. Stop leak if safe to do so.

Environmental precautions
Avoid release to the environment.

Methods and material for containment and cleaning up
For containment
Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk.

Methods for cleaning up
Take up liquid spill into absorbent material.

Other information
Dispose of materials or solid residues at an authorized site.

Reference to other sections
For further information refer to section 13.

7. HANDLING AND STORAGE

Precautions for safe handling
Additional hazards when processed
Not expected to present a significant hazard under anticipated conditions of normal use.

Precautions for safe handling

Ensure good ventilation of the work station. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Wear personal protective equipment.

Hygiene measures
Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

Conditions for safe storage, including any incompatibilities
Technical measures : Keep in a cool, well-ventilated place away from heat.
Storage conditions : Keep cool. Protect from sunlight.
Packaging materials : Store always product in container of same material as original container.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters
BENZYL BENZOATE (120-51-4)
Not applicable

LINALYL ACETATE (115-95-7)
Not applicable

Linalool (78-70-6)
Not applicable

1-(1,2,3,4,5,6,7,8-Octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)ethanone (54464-57-2)
Not applicable

FLOROL (63500-71-0)
Not applicable

ETHYL VANILLIN (121-32-4)
Not applicable

ETHYL MALTOL (4940-11-8)
Not applicable

D-LIMONENE (5989-27-5)
Not applicable

DAMASCONE DELTA (57378-68-4)
Not applicable

CITRAL (5392-40-5)

ACGIH	Local name	Citral
ACGIH	ACGIH OEL TWA	5 ppm (IFV - Inhalable fraction and vapor)
ACGIH	Remark (ACGIH)	TLV® Basis: Body weight eff; URT irr; eye dam. Notations: Skin; DSEN; A4 (Not classifiable as a Human Carcinogen)
ACGIH	Regulatory reference	ACGIH 2024

ETHYL TRIMETHYLCYCLOPENTENE BUTENOL (28219-61-6)
Not applicable

Appropriate engineering controls
Appropriate engineering controls : Ensure good ventilation of the work station.
Environmental exposure controls : Avoid release to the environment.

Individual protection measures/Personal protective equipment
Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:
Protective gloves

Eye protection:
Safety glasses

Skin and body protection:
Wear suitable protective clothing

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):

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9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	Liquid
Color	No data available
Odor	No data available
Odor threshold	No data available
pH	No data available
Melting point	No data available
Freezing point	No data available
Boiling point	No data available
Flash point	≈ 96.9 °C
Relative evaporation rate (butyl acetate=1)	No data available
Flammability	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
Auto-ignition temperature	No data available
Decomposition temperature	No data available
No data availableViscosity, kinematic	No data available
Viscosity, dynamic	No data available
Explosion limits	No data available
Explosive properties	No data available

Oxidizing properties	No data available

Other information
No additional information available

10. STABILITY AND REACTIVITY

Reactivity
The product is non-reactive under normal conditions of use, storage and transport.

Chemical stability

Possibility of hazardous reactions
No additional information available

Conditions to avoid
None under recommended storage and handling conditions (see section 7).

Incompatible materials
No additional information available

Hazardous decomposition products
No additional information available

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects
Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

BENZYL BENZOATE (120-51-4)

LD50 oral rat	> 2000 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male/female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	> 2 ml/kg (Modification of Draize 1959 method, 4 h, Rabbit, Experimental value, Dermal)
ATE US (oral)	1160 mg/kg body weight

Linalool (78-70-6)

LD50 oral rat	2790 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male / female, Experimental value, Oral, 14 day(s))

LD50 dermal rabbit	5610 mg/kg body weight (Equivalent or similar to OECD 402, 24 h, Rabbit, Experimental value, Dermal, 7 day(s))
ATE US (oral)	2790 mg/kg body weight
ATE US (dermal)	5610 mg/kg body weight

ETHYL VANILLIN (121-32-4)

LD50 oral rat	> 3160 mg/kg body weight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))
ATE US (oral)	3000 mg/kg body weight

ETHYL MALTOL (4940-11-8)

LD50 oral rat	1150 mg/kg (Rat, Oral)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit, Dermal)
ATE US (oral)	1150 mg/kg body weight

D-LIMONENE (5989-27-5)

LD50 oral rat	> 2000 mg/kg body weight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat,Female, Read-across, Oral)
LD50 dermal rabbit	> 5000 mg/kg body weight (Equivalent or similar to OECD 402, Rabbit, Weight of evidence, Dermal)

DAMASCONE DELTA (57378-68-4)

ATE US (oral)	1400 mg/kg body weight

ETHYL TRIMETHYLCYCLOPENTENE BUTENOL (28219-61-6)

LD50 oral rat	> 2000 mg/kg body weight (OECD 401: Acute Oral Toxicity, 2 week(s), Rat, Male/female, Experimental value, Oral)
LD50 dermal rat	> 5 ml/kg (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male/female, Experimental value, Dermal)

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 : Not classified

D-LIMONENE (5989-27-5)

IARC group	3 - Not classifiable

Reproductive toxicity : Not classified
STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Linalool (78-70-6)

NOAEL (dermal,rat/rabbit,90 days)	250 mg/kg body weight Animal: rat, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)

Aspiration hazard : Not classified
Viscosity, kinematic : No data available

Symptoms/effects after inhalation : Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.

Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact : None under normal conditions.
Symptoms/effects after ingestion : None under normal conditions.

12. ECOLOGICAL INFORMATION

Toxicity
Ecology - general
The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

BENZYL BENZOATE (120-51-4)

LC50 - Fish [1]	2.32 mg/l (EU Method C.1, 96 h, Danio rerio, Semi-static system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	3.09 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)

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LINALYL ACETATE (115-95-7)

LC50 - Fish [1]	11 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Cyprinus carpio)
EC50 - Crustacea [1]	15 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna)

Linalool (78-70-6)

LC50 - Fish [1]	27.8 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	59 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
ErC50 algae	156.7 mg/l (DIN 38412-9, 96 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, Nominal concentration)

ETHYL VANILLIN (121-32-4)

LC50 - Fish [1]	87.6 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value)
EC50 - Crustacea [1]	36.79 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Read-across, GLP)
ErC50 algae	120 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Read-across, GLP)

D-LIMONENE (5989-27-5)

LC50 - Fish [1]	720 µg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal)
EC50 - Crustacea [1]	0.36 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)

ETHYL TRIMETHYLCYCLOPENTENE BUTENOL (28219-61-6)

LC50 - Fish [1]	1.1 mg/l (US EPA, 96 h, Lepomis macrochirus, Flow-through system, Fresh water, Experimental value, GLP)

ErC50 algae	2.5 mg/l (US EPA, 96 h, Selenastrum capricornutum, Static system, Fresh water, Experimental value, GLP)

Persistence and degradability

BENZYL BENZOATE (120-51-4)

Persistence and degradability	Readily biodegradable in water.

LINALYL ACETATE (115-95-7)

Persistence and degradability	Readily biodegradable in water.

Linalool (78-70-6)

Persistence and degradability	Readily biodegradable in water.

FLOROL (63500-71-0)

Persistence and degradability	Biodegradability in water: no data available.

ETHYL VANILLIN (121-32-4)

Persistence and degradability	Readily biodegradable in water.
ThOD	1.81 g O2/g substance
BOD (% of ThOD)	0.529 (5 day(s), Literature study)

ETHYL MALTOL (4940-11-8)

Persistence and degradability	Biodegradability in water: no data available.

D-LIMONENE (5989-27-5)

Persistence and degradability	Readily biodegradable in water.
ThOD	3.29 g O2/g substance

ETHYL TRIMETHYLCYCLOPENTENE BUTENOL (28219-61-6)

Persistence and degradability	Not readily biodegradable in water.
ThOD	3 g O2/g substance

Bioaccumulative potential

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BENZYL BENZOATE (120-51-4)

BCF - Fish [1]	2.286 (BCFBAF v3.00, Pisces, QSAR)
Partition coefficient n-octanol/water (Log Pow)	3.97 (Experimental value, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

LINALYL ACETATE (115-95-7)

Partition coefficient n-octanol/water (Log Pow)	3.93 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

Linalool (78-70-6)

Partition coefficient n-octanol/water (Log Pow)	2.84 (Experimental value, Equivalent or similar to OECD 107, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

FLOROL (63500-71-0)

Bioaccumulative potential	No bioaccumulation data available.

ETHYL VANILLIN (121-32-4)

Partition coefficient n-octanol/water (Log Pow)	1.58 (Experimental value, Equivalent or similar to OECD 107, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

ETHYL MALTOL (4940-11-8)

Bioaccumulative potential	No bioaccumulation data available.

D-LIMONENE (5989-27-5)

BCF - Fish [1]	864.8 – 1022 (Pisces, QSAR, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	4.38 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 37 °C)
Bioaccumulative potential	Potential for bioaccumulation (4 ≥ Log Kow ≤ 5).

ETHYL TRIMETHYLCYCLOPENTENE BUTENOL (28219-61-6)

BCF - Other aquatic organisms [1]	667 (Other, QSAR)
Partition coefficient n-octanol/water (Log Pow)	4.4 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 35°C)
Bioaccumulative potential	Potential for bioaccumulation (500 ≤ BCF ≤ 5000).

Mobility in soil
BENZYL BENZOATE (120-51-4)

Surface tension	0.027 N/m (210 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.8 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value)
Ecology - soil	Low potential for mobility in soil.

LINALYL ACETATE (115-95-7)

Ecology - soil	Adsorbs into the soil.

Linalool (78-70-6)

Surface tension	8.3 mN/m (20 °C, ISO 9101: Surface active agents - Determination of interfacial tension)
Ecology - soil	No (test)data on mobility of the substance available.

FLOROL (63500-71-0)

Ecology - soil	No (test)data on mobility of the substance available.

ETHYL VANILLIN (121-32-4)

Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.092 (log Koc, Equivalent or similar to OECD 106, Experimental value)
Ecology - soil	Low potential for mobility in soil.

FLOROL (63500-71-0)

Ecology - soil	Adsorbs into the soil.

ETHYL TRIMETHYLCYCLOPENTENE BUTENOL (28219-61-6)

Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.57 (log Koc, Other, QSAR)
Ecology - soil	Low potential for adsorption in soil.

Other adverse effects
No additional information available

13. DISPOSAL CONSIDERATIONS

Disposal methods
Regional waste regulation :
Disposal must be done according to official regulations.

Waste treatment methods :
Dispose of contents/container in accordance with licensed collector's sorting instructions.

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

Product/Packaging disposal recommendations :
Disposal must be done according to official regulations.

Additional information :
Do not re-use empty containers.

14. TRANSPORT INFORMATION

Department of Transportation (DOT)
In accordance with DOT
Not regulated

15. REGULATORY INFORMATION

US Federal regulations
Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

MUSK CONC. (GALAXOLIDE NEAT)	CAS-No. 1222-05-5	1 – 5%

Farnesene	CAS-No. 502-61-4	< 0.5%

16. OTHER INFORMATION

Full text of H-phrases:
H226 Flammable liquid and vapor
H227 Combustible liquid
H302 Harmful if swallowed
H304 May be fatal if swallowed and enters airways
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation
H320 Causes eye irritation

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