



OIL, ICED JULEP AN II*

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Issue date: 01/09/2019

Revision date: 01/09/2019

Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture
Product name : OIL, ICED JULEP AN II*
CAS-No. : N/A
Product code : 93-0118-24

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

The Lebermuth Company
4004 Technology Drive
South Bend, IN 46628 - United States
T 574-259-7000 - F 574-258-7450
info@lebermuth.com - www.lebermuth.com

1.4. Emergency telephone number

Emergency number : CHEMTREC - USA: 800-424-9300 International: +1 703-527-3887 / 1-800-424-9300
CCN 13010

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Skin corrosion/irritation Category 2	Causes skin irritation
Serious eye damage/eye irritation Category 2	Causes serious eye irritation
Skin sensitization, Category 1	May cause an allergic skin reaction
Carcinogenicity Category 2	Suspected of causing cancer
Aspiration hazard Category 1	May be fatal if swallowed and enters airways

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US) :



GHS07

GHS08

Signal word (GHS US) :

Danger

Hazard statements (GHS US) :

May be fatal if swallowed and enters airways
Causes skin irritation
May cause an allergic skin reaction
Causes serious eye irritation
Suspected of causing cancer

Precautionary statements (GHS US) :

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Avoid breathing dust/fume/gas/mist/vapours/spray.
Wash hands, forearms and face thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves/protective clothing/eye protection/face protection.
If swallowed: Immediately call a poison center or doctor.
If on skin: Wash with plenty of water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If exposed or concerned: Get medical advice/attention.
Specific treatment (see supplemental first aid instruction on this label).
Do NOT induce vomiting.
If skin irritation occurs: Get medical advice/attention.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.

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Take off contaminated clothing and wash it before reuse.
Wash contaminated clothing before reuse.
Store locked up.
Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
CARVONE	(CAS-No.) 6485-40-1	10 - 25	Flam. Liq. 4, H227 Skin Sens. 1, H317
CORN MINT OIL	(CAS-No.) 68917-18-0	5 - 10	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317
PEPPERMINT TERPENELESS	(CAS-No.) 68606-97-3	5 - 10	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317
PEPPERMINT OIL	(CAS-No.) 8006-90-4	5 - 10	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 Asp. Tox. 1, H304
VANILLIN	(CAS-No.) 121-33-5	5 - 10	Eye Irrit. 2, H319
MENTHOL	(CAS-No.) 2216-51-5	1 - 5	Skin Irrit. 2, H315 Eye Irrit. 2A, H319
PEPPERMINT OIL	(CAS-No.) 8006-90-4	1 - 5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1, H317 Asp. Tox. 1, H304
L-MENTHONE	(CAS-No.) 14073-97-3	>=1 - <5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Skin Sens. 1B, H317
SPEARMINT OIL	(CAS-No.) 8008-79-5	0.1 - 1	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304
l-Limonene	(CAS-No.) 5989-54-8	0.1 - 1	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304
D-PULEGONE	(CAS-No.) 89-82-7	0.1 - 1	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Carc. 2, H351

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

SECTION 4: First-aid measures

4.1. Description of first aid measures

- First-aid measures general : Call a physician immediately.
- 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 cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Do not induce vomiting. Call a physician immediately.

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4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact : Eye irritation.
Symptoms/effects after ingestion : Risk of lung edema.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Specific hazards arising from the chemical

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

5.3. Special protective equipment and precautions for fire-fighters

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

6.1.1. For non-emergency personnel

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

6.1.2. 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".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment. Avoid breathing dust/fume/gas/mist/vapours/spray.
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

PEPPERMINT YAKIMA NATURAL (8006-90-4)

Not applicable

VANILLIN NATURAL (121-33-5)

Not applicable

CARVONE-L NATURAL (6485-40-1)

Not applicable

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SPEARMINT FAR WEST NATIVE (8008-79-5)
Not applicable
MENTHOL CRYSTALS, USP (2216-51-5)
Not applicable
I-Limonene (5989-54-8)
Not applicable
I-Menthone (14073-97-3)
Not applicable
Pulegone (89-82-7)
Not applicable
CORN MINT REDISTILLED OIL (68917-18-0)
Not applicable
PEPPERMINT INDIAN HF (8006-90-4)
Not applicable
PEPPERMINT TERPENELESS (68606-97-3)
Not applicable

8.2. Appropriate engineering controls

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

8.3. Individual protection measures/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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
: COLORLESS TO YELLOW
Odor : CHARACTERISTIC, MATCHING RETAINER SAMPLE
Odor threshold : No data available
pH : No data available
Melting point : Not applicable
Freezing point : No data available
Boiling point : No data available
Flash point : 99 °C
Relative evaporation rate (butyl acetate=1) : No data available
Flammability (solid, gas) : Not applicable.
Vapor pressure : No data available
Relative vapor density at 20 °C : No data available

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Relative density	: 0.928 (0.918 - 0.938)
Solubility	: Insoluble.
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

9.2. Other information

Refractive index	: 1.478 (1.468 - 1.488)
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SECTION 10: Stability and reactivity

10.1. Reactivity

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

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

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

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

VANILLIN NATURAL (121-33-5)	
LD50 oral rat	3300 mg/kg body weight (Equivalent or similar to OECD 401, 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)	3300 mg/kg body weight
CARVONE-L NATURAL (6485-40-1)	
ATE US (dermal)	3800 mg/kg body weight
SPEARMINT FAR WEST NATIVE (8008-79-5)	
ATE US (oral)	2300 mg/kg body weight
MENTHOL CRYSTALS, USP (2216-51-5)	
ATE US (oral)	2600 mg/kg body weight
I-Limonene (5989-54-8)	
LD50 oral rat	> 5000 mg/kg (Rat, Oral)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit, Dermal)
ATE US (dust, mist)	1.5 mg/l/4h
I-Menthone (14073-97-3)	
ATE US (oral)	2500 mg/kg body weight
Pulegone (89-82-7)	
ATE US (oral)	470 mg/kg body weight

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Pulegone (89-82-7)	
ATE US (dermal)	3090 mg/kg body weight
CORN MINT REDISTILLED OIL (68917-18-0)	
ATE US (oral)	1200 mg/kg body weight

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer.

Pulegone (89-82-7)	
IARC group	2B - Possibly carcinogenic to humans

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

STOT-repeated exposure	: Not classified
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Aspiration hazard	: May be fatal if swallowed and enters airways.
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation.
Symptoms/effects after ingestion	: Risk of lung edema.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.
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VANILLIN NATURAL (121-33-5)	
LC50 fish 1	57 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value)
EC50 Daphnia 1	36.79 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
ErC50 (algae)	120 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)

I-Limonene (5989-54-8)	
LC50 fish 1	0.702 mg/l (96 h, Pimephales promelas, Other isomer)
EC50 Daphnia 1	0.73 mg/l (48 h, Daphnia pulex, Other isomer)

12.2. Persistence and degradability

VANILLIN NATURAL (121-33-5)	
Persistence and degradability	Readily biodegradable in water.

I-Limonene (5989-54-8)	
Persistence and degradability	Readily biodegradable in water.
ThOD	3.29 g O ₂ /g substance

12.3. Bioaccumulative potential

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VANILLIN NATURAL (121-33-5)	
Log Pow	1.17 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

I-Limonene (5989-54-8)	
Log Pow	4.83 (QSAR)
Bioaccumulative potential	Bioaccumable.

12.4. Mobility in soil

VANILLIN NATURAL (121-33-5)	
Log Koc	3.438 (log Koc, Experimental value)
Ecology - soil	Low potential for mobility in soil.

I-Limonene (5989-54-8)	
Ecology - soil	Adsorbs into the soil.

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

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

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated

Transportation of Dangerous Goods

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

PEPPERMINT YAKIMA NATURAL (8006-90-4)
Not listed on the United States TSCA (Toxic Substances Control Act) inventory
VANILLIN NATURAL (121-33-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
CARVONE-L NATURAL (6485-40-1)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
SPEARMINT FAR WEST NATIVE (8008-79-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
MENTHOL CRYSTALS, USP (2216-51-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
I-Limonene (5989-54-8)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

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I-Menthone (14073-97-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Pulegone (89-82-7)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

CORN MINT REDISTILLED OIL (68917-18-0)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

PEPPERMINT INDIAN HF (8006-90-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

PEPPERMINT TERPENELESS (68606-97-3)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

PEPPERMINT YAKIMA NATURAL (8006-90-4)

Listed on the Canadian DSL (Domestic Substances List)

VANILLIN NATURAL (121-33-5)

Listed on the Canadian DSL (Domestic Substances List)

CARVONE-L NATURAL (6485-40-1)

Listed on the Canadian DSL (Domestic Substances List)

SPEARMINT FAR WEST NATIVE (8008-79-5)

Listed on the Canadian DSL (Domestic Substances List)

MENTHOL CRYSTALS, USP (2216-51-5)

Listed on the Canadian DSL (Domestic Substances List)

I-Limonene (5989-54-8)

Listed on the Canadian DSL (Domestic Substances List)

I-Menthone (14073-97-3)

Listed on the Canadian DSL (Domestic Substances List)

Pulegone (89-82-7)

Listed on the Canadian DSL (Domestic Substances List)

CORN MINT REDISTILLED OIL (68917-18-0)

Listed on the Canadian DSL (Domestic Substances List)

PEPPERMINT INDIAN HF (8006-90-4)

Listed on the Canadian DSL (Domestic Substances List)

PEPPERMINT TERPENELESS (68606-97-3)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

Pulegone (89-82-7)

Listed on IARC (International Agency for Research on Cancer)

15.3. US State regulations

WARNING:

This product can expose you to d-pulegone, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

This product can expose you to myrcene, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

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SECTION 16: Other information

Revision date : 01/09/2019

Full text of H-phrases:

H226	Flammable liquid and vapour
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
H351	Suspected of causing cancer

SDS US (GHS HazCom 2012) - Lebermuth

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.