

Safety Data Sheet

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

Issue date: 05/14/2024 Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture

Product name : NATURAL ESPRESSO MARTINI FLAVOR - MCT

Product code : TBMCT115

1.2. Recommended use and restrictions on use

1.3. Supplier

EXTRACT CONSULTANTS, LLC. TERPENES - FLAVORS - BASES PO BOX 11433, DENVER, CO 80211 www.extractconsultants.com INFORMATION: 1-888-541-9089

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

Carcinogenicity Category 2 Suspected of causing cancer

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US)



GHS08

Signal word (GHS US) : Warning

Hazard statements (GHS US) : 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. Wear protective gloves/protective clothing/eye protection/face protection.

If exposed or concerned: Get medical advice/attention.

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

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Name	Product identifier	%	GHS US classification
FURFURAL	(CAS-No.) 98-01-1	0.1 – 1	Flam. Liq. 3, H226 Acute Tox. 3 (Oral), H301 Acute Tox. 4 (Dermal), H312 Acute Tox. 2 (Inhalation), H330 Acute Tox. 2 (Inhalation:vapour), H330 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373

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 : IF exposed or concerned: Get medical advice/attention.

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.

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.

4.2. 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 : None under normal conditions. Symptoms/effects after eye contact : None under normal conditions. Symptoms/effects after ingestion : None under normal conditions.

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.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard : No fire hazard.

Explosion hazard : No direct explosion hazard.

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

5.3. 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.

SECTION 6: Accidental release measures

6.1. 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.

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : Ventilate spillage area.

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".

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

6.2. Environmental precautions

Avoid release to the environment.

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6.3. 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. Notify authorities if product enters sewers or public

waters.

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

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. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective

handle until all safety precautions have been read and understood. Wear personal protective

equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the

product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep in a cool, well-ventilated place away from heat.

Storage conditions : Store locked up.

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

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

NATURAL ESPRESSO MARTINI FLAVOR - MCT	
No additional information available	
FURFURAL (98-01-1)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Furfural
ACGIH OEL TWA	0.2 ppm
Remark (ACGIH)	TLV® Basis: URT & eye irr. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
Regulatory reference	ACGIH 2024
USA - OSHA - Occupational Exposure Limits	
Local name	Furfural
OSHA PEL TWA	20 mg/m³
	5 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

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

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

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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

Color : YELLOW/AMBER TO AMBER/BROWN

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 : No data available

Flash point : 100 °C

Relative evaporation rate (butyl acetate=1) : No data available Flammability : Not applicable. Vapor pressure : No data available Relative vapor density at 20°C : No data available

Relative density : 0.9469 (0.9369 – 0.9569)

Solubility : Insoluble.

Partition coefficient n-octanol/water (Log Pow) : No data available Auto-ignition temperature : No data available : No data available Decomposition temperature : No data available Viscosity, kinematic 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 : 1.44862 (1.43862 – 1.45862)

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.

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FURFURAL (98-01-1) LOEC (chronic)

NOEC (chronic) NOEC chronic fish

Acute toxicity (oral) : Not classified Acute toxicity (hermal) : Not classified Acute toxicity (hermal) : Not classified FURFURAL (98-01-1) LD50 dermal rat	ccording to Federal Register / Vol. 77, No. 58 / Monday,	March 26, 2012 / Rules and Regulations
Acute toxicity (oral) : Not classified Acute toxicity (dermal) : Not classified Acute toxicity (halation) : Not classified FURFURAL (98-01-1) LD50 dermal rat	SECTION 11: Toxicological informati	on
Acute toxicity (inhelation) FURFURAL (98-01-1) LD50 dermal rat -> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EPA OPPTS 870:1200 (Acute Dermal Toxicity), Remarks on results: other: LC50 Inhalation - Rat -> 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Guideline: EPA OPPTS 870:1200 (Acute Inhalation Toxicity), Remarks on results: other: -> 30.54 - 1.63 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EPA OPPTS 870:1300 (Acute Inhalation Toxicity), Remarks on results: other: -> 4TE US (Gral) -> 4TE US (Gral) -> 100 mg/kg body weight -> 4TE US (Garmal) -> 100 mg/kg body weight -> 4TE US (Gral) -> 100 mg/kg body weight -> 4TE US (Gral) -> 100 mg/kg body weight -> 4TE US (Gral) ->	11.1. Information on toxicological effects	
FURFURAL (98-01-1) LD50 dermal rat \$	Acute toxicity (oral)	: Not classified
Interpretate Section Interpretate Interpret	Acute toxicity (dermal)	: Not classified
LD50 dermal rat 2000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity), Remarks on results: other: LC50 Inhalation - Rat 0.54 – 1.63 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity), Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity), Remarks on results: other: ATE US (gral) 1100 mg/kg body weight ATE US (gral) ATE US (gram) 1100 mg/kg body weight ATE US (gram) ATE US (gram) 1100 mg/kg body weight ATE US (vapors) 1 mg/l/4h ATE US (vapors) 2 mg/l/4h ATE US (vapors) 3 mg/l/4h ATE US (vapors) 4 mg/l	Acute toxicity (inhalation)	: Not classified
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Guideline: EPA OPPTS 870.1300 (Acute inhalation toxicity), Remarks on results: other: ATE US (oral) ATE US (dermal) ATE US (gases) 100 ppm/V4h ATE US (gases) 100 ppm/V4h ATE US (dust, mist) 0.05 mg/l/4h ATE US (dust, mist) Not classified Serious eye damage/irritation Respiratory or skin sensitization 80 mg/kg body weight Animal: rat, Animal sex: female, Guideline: OECD Guideline 451 (Carriongenicity Studies), Remarks on results: other: ARC group 3 - Not classified FURFURAL (88-01-1) STOT-single exposure Not classified FURFURAL (88-01-1) NOAEL (oral, rat, 90 days) Tomaging exposure Not classified FURFURAL (88-01-1) NOAEL (oral, rat, 90 days) Tomaging exposure May cause damage to organs through prolonged or repeated exposure. Aspiration hazard Not classified Wiscosity, kinematic No data available Symptoms/effects after kin contact None under normal conditions. Symptoms/effects after skin contact None under normal conditions. Symptoms/effects after injestion None under normal conditions. SECTION 12: Ecological information 1. The product is not considered harmful to aquatic organisms or to cause long-term adverse	LD50 dermal rat	Toxicity), Guideline: EPA OPPTS 870.1200 (Acute Dermal Toxicity), Remarks on results:
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STOT-single exposure	STOT-single exposure	: Not classified
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FURFURAL (98-01-1) NOAEL (oral,rat,90 days) 100 mg/kg body weight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents) STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure. Aspiration hazard /iscosity, kinematic Symptoms/effects after inhalation Although no appropriate human or animal health effects data are known to exist, this material in expected to be an inhalation hazard. Symptoms/effects after eye contact Symptoms/effects after eye contact None under normal conditions. Symptoms/effects after ingestion None under normal conditions. Symptoms/effects after ingestion None under normal conditions. SECTION 12: Ecological information 12.1. Toxicity Ecology - general The product is not considered harmful to aquatic organisms or to cause long-term adverse	STOT-single exposure	May cause respiratory irritation.
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Oral Toxicity Study in Rodents) STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure. 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 : None under normal conditions. Symptoms/effects after eye contact : None under normal conditions. Symptoms/effects after ingestion : None under normal conditions. SECTION 12: Ecological information 12.1. Toxicity Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse	FURFURAL (98-01-1)	
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Symptoms/effects after ingestion : None under normal conditions. SECTION 12: Ecological information 12.1. Toxicity Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse	Symptoms/effects after skin contact	: None under normal conditions.
Symptoms/effects after ingestion : None under normal conditions. SECTION 12: Ecological information 12.1. Toxicity Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse	Symptoms/effects after eye contact	: None under normal conditions.
12.1. Toxicity Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse		
12.1. Toxicity Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse	SECTION 12: Ecological information	
Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse		
		: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

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'12 d'

3.7 mg/l Test organisms (species): Daphnia magna Duration: '21 d' 1.9 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

0.33 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration:

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12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. 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.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not regulated

Transportation of Dangerous Goods

Not regulated

μ

Transport by sea

Not regulated

Air transport

Not regulated

SECTION 15: Regulatory information

15.1. US Federal regulations

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Not subject to reporting requ	irements of the Unite	d States SARA Section 313
CERCLA RQ		5000 lb

15.2. International regulations

CANADA

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Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

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Listed on the United States TSCA (Toxic Substances Control Act) inventory - Status: Active Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. US State regulations

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
FURFURAL(98-01-1)	U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

Full text of H-phrases:

Flammable liquid and vapor
Toxic if swallowed
Harmful in contact with skin
Causes skin irritation
Causes serious eye irritation
Fatal if inhaled
May cause respiratory irritation
Suspected of causing cancer
May cause damage to organs through prolonged or repeated exposure

SDS US (GHS HazCom 2012)

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.

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