

633622 COFFEE FLAVOR

Version 3

Revision Date 16.12.2017

Print Date 18.07.2018

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Commercial Product Name : COFFEE FLAVOR

Material number : 633622

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Flavor mix

1.3 Details of the supplier of the safety data sheet

Company : Symrise, Inc.
300 North Street
Teterboro NJ 07608
USA

Telephone : +12012883200

Telefax : +12012880843

E-mail address : sds@symrise.com

For further information, please contact:
Symrise AG - Tel.: +49 / (0)5531 / 90-0

1.4 Emergency telephone number

Emergency CONTACT (24-Hour-Number)
GBK/Infotrac ID 101844: +49(6132)9829021

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Carcinogenicity, Category 2

H351

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Warning

Hazard statements : H351

Suspected of causing cancer.

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Precautionary statements : **Prevention:**
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

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

Storage:
P405 Store locked up.

Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Contains : PENTANE-2,3-DIONE, 3-METHYLBUTANAL. May produce an allergic reaction.

2.3 Other hazards

No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**3.1 Substances**

No data available

3.2 Mixtures**Hazardous components**

Chemical name	CAS-No. EC-No. Registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
2-Furaldehyde	98-01-1 202-627-7	Carc.: 2; H351 Acute Tox.: 2 (Inhalation); H330 Acute Tox.: 3 (Oral); H301 Acute Tox.: 4 (Dermal); H312 Eye Irrit.: 2; H319 STOT SE: 3 (Inhalation); H335 Skin Irrit.: 2; H315 Flam. Liq.: 3; H226 Aquatic Chronic: 3; H412	>= 1 - < 5
Pentane-2,3-dione	600-14-6 209-984-8	Flam. Liq.: 2; H225 Eye Dam.: 1; H318 Skin Sens.: 1B; H317 STOT RE: 2; H373	>= 0,1 - < 1
Isovaleraldehyde	590-86-3 209-691-5	Flam. Liq.: 2; H225 Eye Irrit.: 2; H319 Skin Sens.: 1; H317 Aquatic Chronic: 2; H411 STOT SE: 3 (Inhalation); H335	>= 0,1 - < 1
Methyl 2-furoate	611-13-2 210-254-6	Acute Tox.: 3 (Oral); H301	>= 0,1 - < 1

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4-Hydroxy-2,5-dimethylfuran-2(3H)-one	3658-77-3 222-908-8	Eye Irrit.: 2; H319 Skin Sens.: 1A; H317	>= 0,025 - < 0,1
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For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

- General advice : Move out of dangerous area.
Never give anything by mouth to an unconscious person.
- Inhalation : Move to fresh air.
- Skin contact : If symptoms persist, call a physician.
- Eye contact : Immediately flush eye(s) with plenty of water.
- Ingestion : Prevent vomiting if possible.
If a person vomits when lying on his back, place him in the recovery position.
Never give anything by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

- Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Extinguishing media which shall not be used for safety reasons : High volume water jet

5.2 Special hazards arising from the substance or mixture

- Specific hazards during firefighting : Do not use a solid water stream as it may scatter and spread fire.

5.3 Advice for firefighters

- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
- Further information : In the event of fire and/or explosion do not breathe fumes.
Use water spray to cool unopened containers.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Ensure adequate ventilation.
Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions : No special environmental precautions required.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).
Additional advice : Local authorities should be advised if significant spillages cannot be contained.
Suppress (knock down) gases/vapours/mists with a water spray jet.

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling : For personal protection see section 8.
Advice on protection against fire and explosion : When using do not smoke.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container.
Keep container tightly closed in a dry and well-ventilated place.
To maintain product quality, do not store in heat or direct sunlight.
Advice on common storage : No special restrictions on storage with other products.
Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

Flavor mix

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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters, Germany:

Components	CAS-No.	Control parameters	Update	Basis
Glycerol	56-81-5	AGW 200 mg/m ³	11 2016	TRGS 900
Isovaleraldehyde	590-86-3	AGW 10 ppm	09 2012	TRGS 900

Components with workplace control parameters, United Kingdom:

Components	CAS-No.	Control parameters	Update	Basis
Propane-1,2-diol	57-55-6	TWA 10 mg/m ³	12 2011	EH40 WEL
		TWA 150 ppm	12 2011	EH40 WEL
Glycerol	56-81-5	TWA 10 mg/m ³	12 2011	EH40 WEL
2-Furaldehyde	98-01-1	STEL 5 ppm	12 2011	EH40 WEL
		TWA 2 ppm	12 2011	EH40 WEL

Components with workplace control parameters, Spain:

Components	CAS-No.	Control parameters	Update	Basis
Glycerol	56-81-5	VLA-ED 10 mg/m ³	2012	VLA (ES)
2-Furaldehyde	98-01-1	VLA-ED 2 ppm	2012	VLA (ES)

Components with workplace control parameters, France:

Components	CAS-No.	Control parameters	Update	Basis
Glycerol	56-81-5	VME 10 mg/m ³	07 2012	INRS (FR)
2-Furaldehyde	98-01-1	VLE 2 ppm	07 2012	INRS (FR)

Components with workplace control parameters, Poland:

Components	CAS-No.	Control parameters	Update	Basis
Glycerol	56-81-5	NDS 10 mg/m ³	06 2014	POL MAC
Isobutyraldehyde	78-84-2	NDS 100 mg/m ³	12 2011	POL MAC

8.2 Exposure controls

Engineering measures

none

Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

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Hand protection	: Wear chemicals-resistant gloves, e.g. safety gloves of chloroprene Level 2 or of butyl rubber Level 6.
Eye protection	: Safety glasses
Skin and body protection	: Lightweight protective clothing
Hygiene measures	: Wash hands before breaks and immediately after handling the product.
Protective measures	: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Form	: liquid, deposits possible
Colour	: brown to brown-black
Odour	: characteristic
Odour Threshold	: No data available

Safety data

Flash point	: > 100 °C
Water solubility	: completely miscible
Relative density	: 1,0479 - 1,0679 at 20 °C relation to density of water at 4°C
Bulk density	:
Relative vapour density	: not determined
Vapour pressure	: < 1 kPa at 50 °C calculated
Melting point/freezing point	: not determined
Boiling point	: not determined
Partition coefficient: n-octanol/water	: log Pow: Not applicable
pH	: not determined
Evaporation rate	: Not applicable
Flammability (solid, gas)	: Not applicable
Auto-ignition temperature	: The substance or mixture is not classified as self heating.
Decomposition temperature	: No data available
Oxidizing properties	: The substance or mixture is not classified as oxidizing.
Explosive properties	: Due to its structural properties, the product is not classified as explosive

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Lower explosion limit : Vapours may form explosive mixtures with air.

Upper explosion limit : Vapours may form explosive mixtures with air.

A final assessment of potential explosion hazards can only be made on a case-by-case basis when precise information is available on product handling, production setup and the circumstances surrounding the use of the product.

9.2 Other data

None.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity : No data available

10.2 Chemical stability : No data available

10.3 Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid : No data available

10.5 Incompatible materials to avoid : No data available

10.6 Hazardous decomposition products : No data available

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute oral toxicity : Acute toxicity estimate : > 2.000 mg/kg, Calculation method

Acute inhalation toxicity : Acute toxicity estimate : > 20 mg/l , 4 h, Calculation method

Acute dermal toxicity : Acute toxicity estimate : > 2.000 mg/kg, Calculation method

Repeated dose toxicity : No data available

Acute toxicity (other routes of administration) : No data available

Skin irritation : No data available

Eye irritation : No data available

Sensitisation : No data available

Mutagenicity : No data available

Carcinogenicity : No data available

Reproductive toxicity : No data available

Teratogenicity : No data available

Specific target organ toxicity - single exposure : No data available

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Specific target organ toxicity : No data available
- repeated exposure

Aspiration toxicity : No data available

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product : Where possible recycling is preferred to disposal or incineration.
If recycling is not practicable, dispose of in compliance with local regulations.

Contaminated packaging : Empty remaining contents.
Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

Not classified as dangerous in the meaning of transport regulations.

14.2 Proper shipping name

Not classified as dangerous in the meaning of transport regulations.

14.3 Transport hazard class

Not classified as dangerous in the meaning of transport regulations.

14.4 Packing group

Not classified as dangerous in the meaning of transport regulations.

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14.5 Environmental hazards

Not classified as dangerous in the meaning of transport regulations.

14.6 Special precautions for user

Not classified as dangerous in the meaning of transport regulations.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not classified as dangerous in the meaning of transport regulations.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

National legislation

Risk classification according : Exempt
to BetrSichV (Germany)

Water contaminating class : WGK 1 (slightly water endangering)
(Germany) Calculation acc. Annex 4 to VwVwS

TA Luft List (Germany) : Type: Organic Substances
portion Class 1: 1,76 %

15.2 Chemical safety assessment

No data available

SECTION 16: OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.:

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H330	Fatal if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Further information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Any data changes with reference to previous versions are marked by a vertical line in front of the concerned paragraph.

