



SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)
with its amendment Regulation (EU) 2015/830

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Compilation date: 09.04.2019

Revision No: 1

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: MELITTA® CAFINA® FILTER COFFEE-CLEANER TABS

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

Use of substance / mixture: Coffee machine cleaning tabs for professional users

1.3. Details of the supplier of the safety data sheet

Company name: Melitta Professional Coffee Solutions GmbH & Co. KG

Zechenstraße 60

32429 Minden

Germany

Tel: +49 (0)571-5049-0

Fax: +49 (0)571-5049-223

Email: professional@melitta.de

1.4. Emergency telephone number

Emergency tel: +49 (0)571-5049-0

(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Skin Irrit. 2: H315; Eye Irrit. 2: H319

Most important adverse effects: Causes skin irritation. Causes serious eye irritation.

2.2. Label elements

Label elements:

Hazard statements: H315: Causes skin irritation.

H319: Causes serious eye irritation.

Hazard pictograms: GHS07: Exclamation mark



Signal words: Warning

Precautionary statements: P101: If medical advice is needed, have product container or label at hand.

P102: Keep out of reach of children.

P264: Wash hands thoroughly after handling.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P332+P313: If skin irritation occurs: Get medical advice/attention.

P337+P313: If eye irritation persists: Get medical advice/attention.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

SODIUM CARBONATE - REACH registered number(s): 01-2119485498-19-0000

EINECS	CAS	SCL	CLP Classification	Percent
207-838-8	497-19-8	-	Eye Irrit. 2: H319	10-30%

SODIUM CARBONATE PEROXIDE - REACH registered number(s): 01-2119457268-30-0000

239-707-6	15630-89-4	Eye Irrit.2: 10% < C ≤ 25% Eye Dam.1: C > 25%	Ox. Sol. 2: H272; Acute Tox. 4: H302; Eye Dam. 1: H318	10-<25%
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CITRIC ACID - REACH registered number(s): 01-2119457026-42-0000

201-069-1	77-92-9	-	Eye Irrit. 2: H319	1-10%
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MALIC ACID - REACH registered number(s): 02-2119752657-27-0000

210-514-9	617-48-1	-	Eye Irrit. 2: H319; Skin Irrit. 2: H315	1-10%
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DISODIUM METASILICATE - REACH registered number(s): 01-2119449811-37-0000

229-912-9	6834-92-0	-	Skin Corr. 1B: H314; STOT SE 3: H335	1-3%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Wash out mouth with water.

Inhalation: Not applicable.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be pain and redness. The eyes may water profusely. The vision may become blurred.

Ingestion: Nausea and stomach pain may occur.

Inhalation: Not applicable.

Delayed / immediate effects: Immediate effects can be expected after long-term exposure.

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4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Not applicable.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: Not applicable.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Not applicable.

6.2. Environmental precautions

Environmental precautions: Not applicable.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Refer to section 13 of SDS for suitable method of disposal.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Not applicable.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits: No data available.

DNEL/PNEC Values

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Hazardous ingredients:

SODIUM CARBONATE

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	10 mg/m ³	Workers	-

SODIUM CARBONATE PEROXIDE

Type	Exposure	Value	Population	Effect
DNEL	Dermal	12,8 mg/cm ²	Workers	Local
DNEL	Inhalation	5 mg/cm ³	Workers	Local
DNEL	Dermal	6,4 mg/cm ²	Consumers	Local
PNEC	Fresh water	0,035 mg/l	-	-
PNEC	Abwasseraufbereitungsanlage	16,24 mg/l	-	-

CITRIC ACID

Type	Exposure	Value	Population	Effect
DNEL	nicht verfügbar	-	-	-
PNEC	Fresh water	0,44 mg/l	-	-
PNEC	Marine water	0,044 mg/l	-	-

DISODIUM METASILICATE

Type	Exposure	Value	Population	Effect
DNEL	Dermal	1,49 mg/kg	Workers	Systemic
DNEL	Inhalation	6,22 mg/m ³	Workers	Systemic
DNEL	Dermal	0,74 mg/kg	Population	Systemic
DNEL	Inhalation	1,55 mg/m ³	Population	Systemic
DNEL	Oral	0,74 mg/kg	Population	Systemic
PNEC	Fresh water	7,5 mg/l	-	-

8.2. Exposure controls

Engineering measures: Not applicable.

Respiratory protection: Not applicable.

Hand protection: Not applicable.

Eye protection: Tightly fitting safety goggles.

Skin protection: Not applicable.

Environmental: No special requirement.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Solid

Colour: White

Odour: Characteristic odour

Evaporation rate: Not applicable.

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Viscosity: Not applicable.

Boiling point/range°C: Not applicable.

Flammability limits %: lower: Not applicable.

Flash point°C: Not applicable.

Autoflammability°C: Not applicable.

Relative density: No data available.

VOC g/l: No data available.

Melting point/range°C: Not applicable.

upper: Not applicable.

Part.coeff. n-octanol/water: No data available.

Vapour pressure: Not applicable.

pH: No data available.

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.
Decomposition may occur on exposure to conditions or materials listed below.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: No data available.

10.6. Hazardous decomposition products

Haz. decomp. products: No data available.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

SODIUM CARBONATE

ORL	MUS	LD50	6600	mg/kg
ORL	RAT	LD50	4090	mg/kg
SCU	MUS	LD50	2210	mg/kg

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SODIUM CARBONATE PEROXIDE

DERMAL	RBT	LD50	>2000	mg/kg
ORL	RAT	LD50	1034	mg/kg

CITRIC ACID

ORL	RAT	LD50	5790	mg/kg
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MALIC ACID

ORL	RAT	LD50	3200	mg/kg
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DISODIUM METASILICATE

ORL	MUS	LD50	770	mg/kg
ORL	RAT	LD50	1153	mg/kg

Toxicity values: No data available.

Symptoms / routes of exposure

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be pain and redness. The eyes may water profusely. The vision may become blurred.

Ingestion: Nausea and stomach pain may occur.

Inhalation: Not applicable.

Delayed / immediate effects: Immediate effects can be expected after long-term exposure.

Other information: Not applicable.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

SODIUM CARBONATE

Frischwasser Invertebraten	48H EC50	200-227	mg/l
Lepomis macrochirus	96H LC50	300	mg/l

SODIUM CARBONATE PEROXIDE

Daphnia pulex	48H EC50	4,9	mg/l
Pimephales promelas	96H LC50	70,7	mg/l

CITRIC ACID

Daphnia magna	72H EC50	~120	mg/l
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Leuciscus idus	96H LC50	440-706	mg/l
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12.2. Persistence and degradability

Persistence and degradability: No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available.

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: No data available.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Dispose of waste according to applicable local, state and federal regulations.

Recovery operations: Not applicable.

Waste code number: 20 01 29

Disposal of packaging: May be reused following decontamination.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

Section 15: Regulatory information

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

Specific regulations: Ingredients according to Regulation (EC) No 648/2004: 15-30% oxygen-based bleaching agents

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

* indicates text in the SDS which has changed since the last revision.

Data references: Safety data sheets from our raw material suppliers

[cont...]

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Classification for mixtures and used evaluation method according to Article 9 of regulation (EC) 1272/2008 [CLP]:

Calculation method

Phrases used in s.2 and s.3: H272: May intensify fire; oxidiser.

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

Legal disclaimer: The above information is believed to be correct. This company shall not be held liable for any damage resulting from handling or from contact with the above product.