

Melitta AMC

Version: 2 / GB

Replaces Version: 1 /
GB

Date revised: 22.06.2016

Print date: 05.10.16

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

1.1. Product identifier

Melitta AMC

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

Use of the substance/preparation

Washing and cleaning products (including solvent based products)

1.3. Details of the supplier of the safety data sheet

Address:

Melitta Professional Coffee Solutions GmbH & Co.KG
Zechenstr. 60
D-32429 Minden
Telephone no. +49 571 50 49 0
Fax no. +49 571 50 49 233
www.melittaprofessional.de

E-mail address of person responsible for this SDS:

sida@drweigert.de

1.4. Emergency telephone number

GBK/ Infotrac: (USA domestic) 1 800 535 5053 or international +1 352 323 3500

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)
Eye Irrit. 2 H319

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Warning

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
Dispose only when container is empty and closed. For disposal of product residues, refer to Safety Data Sheet.

Melitta AMC

Version: 2 / GB

Replaces Version: 1 /
GB

Date revised: 22.06.2016

Print date: 05.10.16

2.3. Other hazards

No special hazards have to be mentioned.

SECTION 3: Composition/information on ingredients

Hazardous ingredients

Citric acid, monohydrate

CAS No.	5949-29-1
EINECS no.	201-069-1
Registration no.	01-2119457026-42
Concentration	>= 50 %
Classification	Xi, R36

Classification (Regulation (EC) No. 1272/2008)	
Eye Irrit. 2	H319

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of persistent symptoms consult doctor.

After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment.

After skin contact

In case of contact with skin wash off with warm water. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). In case of irritation consult an oculist.

After ingestion

Rinse out mouth and give plenty of water to drink.

Adhere to personal protective measures when giving first aid

First aider: Pay attention to self-protection!

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

Until now no symptoms known so far.

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

Hints for the physician / hazards

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam, Dry powder, Carbon dioxide, Water spray jet

5.2. Special hazards arising from the substance or mixture

In case of combustion evolution of dangerous gases possible.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

In case of combustion use a suitable breathing apparatus.

Melitta AMC

Version: 2 / GB

Replaces Version: 1 /
GB

Date revised: 22.06.2016

Print date: 05.10.16

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid dust formation.

6.2. Environmental precautions

Do not allow to enter drains or waterways.

6.3. Methods and material for containment and cleaning up

Pick up mechanically. Clean contaminated floors and objects thoroughly, observing environmental regulations.

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Observe the usual precautions for handling chemicals.

Advice on protection against fire and explosion

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store product in closed containers.

Hints on storage assembly

Do not store together with foodstuffs.

Storage class according to TRGS 510

Storage class according to TRGS 510 10-13 Other combustible and non-combustible substances

Further information on storage conditions

Keep container tightly closed and dry.

7.3. Specific end use(s)

no data

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Other information

Contains no substances with occupational exposure limit values.

8.2. Exposure controls

Respiratory protection

Use breathing apparatus in dust-laden atmosphere. Particle filter P2

Hand protection

In case of intensive contact wear protective gloves.

Appropriate Material neoprene

Appropriate Material nitrile

Appropriate Material PVC

Eye protection

Melitta AMC

Version: 2 / GB Replaces Version: 1 / GB Date revised: 22.06.2016

Print date: 05.10.16

Safety glasses with side protection shield (EN 166)

Body protection

Clothing as usual in the chemical industry.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	solid
Colour	white
Odour	characteristic
Odour threshold	
Remarks	not determined
pH value	
Value	appr. 1,8
Concentration/H ₂ O	5 %
Melting point	
Remarks	not determined
Freezing point	
Remarks	not determined
Initial boiling point and boiling range	
Remarks	not determined
Flash point	
Remarks	Not applicable
Evaporation rate (ether = 1) :	
Remarks	not determined
Flammability (solid, gas)	
evaluation	not determined
Upper/lower flammability or explosive limits	
Remarks	not determined
Vapour pressure	
Remarks	not determined
Vapour density	
Remarks	not determined
Density	
Remarks	not determined
Solubility in water	
Remarks	easily soluble
Solubility(ies)	
Remarks	not determined
Partition coefficient: n-octanol/water	
Remarks	not determined
Ignition temperature	
Remarks	not determined
Decomposition temperature	
Remarks	not determined
Viscosity	

Melitta AMC

Version: 2 / GB

Replaces Version: 1 /
GB

Date revised: 22.06.2016

Print date: 05.10.16

Remarks Not applicable

Explosive properties

evaluation not determined

Oxidising properties

evaluation None known

9.2. Other information

Other information

None known

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability

No hazardous reactions known.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

No hazardous reactions known.

Decomposition temperature

Remarks not determined

10.5. Incompatible materials

Reactions with alkalis.

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

Species	rat		
LD50	>	5000	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)		

Acute oral toxicity (Components)

Citric acid, anhydrous

Species	rat		
LD50		11700	mg/kg

Citric acid, anhydrous

Species	mouse		
LD50		5040	mg/kg

Acute dermal toxicity

Remarks Based on available data, the classification criteria are not met.

Acute inhalational toxicity

Remarks Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Remarks Based on available data, the classification criteria are not met.

Melitta AMC

Version: 2 / GB

Replaces Version: 1 /
GB

Date revised: 22.06.2016

Print date: 05.10.16

Serious eye damage/irritation

evaluation irritant

Sensitization

Remarks Based on available data, the classification criteria are not met.

Subacute, subchronic, chronic toxicity

Remarks Based on available data, the classification criteria are not met.

Mutagenicity

Remarks Based on available data, the classification criteria are not met.

Reproductive toxicity

Remarks Based on available data, the classification criteria are not met.

Carcinogenicity

Remarks Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity (STOT)

Remarks not determined

Aspiration hazard

No special hazards have to be mentioned.

Other information

There is no data available on the product apart from the information given in this subsection.

SECTION 12: Ecological information

12.1. Toxicity

General information

not determined

Fish toxicity (Components)

Citric acid, anhydrous

Species	golden orfe (<i>Leuciscus idus</i>)			
LC50	440	to	706	mg/l
Duration of exposure	96	h		

Daphnia toxicity (Components)

Citric acid, anhydrous

Species	Daphnia magna			
EC50	120			mg/l
Duration of exposure	72	h		

12.2. Persistence and degradability

General information

not determined

Ready degradability (Components)

Citric acid, anhydrous

Remarks The product is biodegradable.

12.3. Bioaccumulative potential

General information

not determined

Partition coefficient: n-octanol/water

Remarks not determined

Melitta AMC

Version: 2 / GB

Replaces Version: 1 /
GB

Date revised: 22.06.2016

Print date: 05.10.16

12.4. Mobility in soil

General information

not determined

12.5. Results of PBT and vPvB assessment

General information

not determined

Evaluation of persistence and bioaccumulation potential

The product contains no PBT or vPvB substances.

12.6. Other adverse effects

General information

not determined

General information / ecology

Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

Disposal recommendations for packaging

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

SECTION 14: Transport information

Land transport ADR/RID

Non-dangerous goods

Marine transport IMDG/GGVSee

The product does not constitute a hazardous substance in sea transport.

Air transport ICAO/IATA

The product does not constitute a hazardous substance in air transport.

SECTION 15: Regulatory information

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

Water Hazard Class (Germany)

Water Hazard Class (Germany) WGK 1

Remarks Classification according to Annex 4 VwVwS

VOC

VOC (EU) 0 %

Other information

The product does not contain substances of very high concern (SVHC).

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

Melitta AMC

Version: 2 / GB

Replaces Version: 1 /
GB

Date revised: 22.06.2016

Print date: 05.10.16

SECTION 16: Other information

R-phrases listed in Chapter 3

36 Irritating to eyes.

Hazard statements listed in Chapter 3

H319 Causes serious eye irritation.

CLP categories listed in Chapter 3

Eye Irrit. 2 Eye irritation, Category 2

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a
guarantee for any specific product properties and shall not establish a legally valid relationship.

Melitta MULTI TF-TABS

Version: 1 / GB Replaces Version: - / GB Date revised: 05.10.2016

Print date: 05.10.16

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

1.1. Product identifier

Melitta MULTI TF-TABS

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

Use of the substance/preparation

Washing and cleaning products (including solvent based products)

1.3. Details of the supplier of the safety data sheet

Address:

Melitta Professional Coffee Solutions GmbH & Co.KG
Zechenstr. 60
D-32429 Minden
Telephone no. +49 571 50 49 0
Fax no. +49 571 50 49 233
www.melittaprofessional.de

E-mail address of person responsible for this SDS:

sida@drweigert.de

1.4. Emergency telephone number

GBK/ Infotrac: (USA domestic) 1 800 535 5053 or international +1 352 323 3500

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Skin Irrit. 2	H315
Eye Irrit. 2	H319

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Warning

Hazard statements

H315	Causes skin irritation.
H319	Causes serious eye irritation.

Precautionary statements

P280	Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Melitta MULTI TF-TABS

Version: 1 / GB Replaces Version: - / GB Date revised: 05.10.2016

Print date: 05.10.16

P337+P313

If eye irritation persists: Get medical advice/attention.

Dispose only when container is empty and closed. For disposal of product residues, refer to Safety Data Sheet.

2.3. Other hazards

No special hazards have to be mentioned.

SECTION 3: Composition/information on ingredients

Hazardous ingredients

potassium carbonate

CAS No. 584-08-7
EINECS no. 209-529-3
Registration no. 01-2119532646-36
Concentration $\geq 1 < 10 \%$

Classification (Regulation (EC) No. 1272/2008)

Skin Irrit. 2 H315
Eye Irrit. 2 H319
STOT SE 3 H335

1-hydroxyethane-1,1-diphosphonic acid, tetrasodium salt

CAS No. 29329-71-3
EINECS no. 249-559-4
Registration no. 01-2119510382-52
Concentration $\geq 10 < 25 \%$

Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4 H302
Eye Irrit. 2 H319

Sodium carbonate

CAS No. 497-19-8
EINECS no. 207-838-8
Registration no. 01-2119485498-19
Concentration $\geq 10 < 25 \%$
Classification Xi, R36

Classification (Regulation (EC) No. 1272/2008)

Eye Irrit. 2 H319

Citric acid, anhydrous

CAS No. 77-92-9
EINECS no. 201-069-1
Registration no. 01-2119457026-42
Concentration $\geq 1 < 10 \%$
Classification Xi, R36

Classification (Regulation (EC) No. 1272/2008)

Eye Irrit. 2 H319

pentapotassium bis(peroxymonosulphate) bis(sulphate)

CAS No. 70693-62-8
EINECS no. 274-778-7
Registration no. 01-2119485567-22
Concentration $< 3 \%$

Melitta MULTI TF-TABS

Version: 1 / GB Replaces Version: - / GB Date revised: 05.10.2016

Print date: 05.10.16

Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4	H302
Skin Corr. 1B	H314
Eye Dam. 1	H318
Aquatic Chronic 3	H412

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In case of persistent symptoms consult doctor.

After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment.

After skin contact

In case of contact with skin wash off with warm water. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). In case of irritation consult an oculist.

After ingestion

Rinse out mouth and give plenty of water to drink.

Adhere to personal protective measures when giving first aid

First aider: Pay attention to self-protection!

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

Until now no symptoms known so far.

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

Hints for the physician / hazards

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam, Dry powder, Carbon dioxide, Water spray jet

5.2. Special hazards arising from the substance or mixture

In case of combustion evolution of dangerous gases possible.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

In case of combustion use a suitable breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid dust formation.

6.2. Environmental precautions

Do not allow to enter drains or waterways.

6.3. Methods and material for containment and cleaning up

Melitta MULTI TF-TABS

Version: 1 / GB Replaces Version: - / GB Date revised: 05.10.2016

Print date: 05.10.16

Pick up mechanically. Clean contaminated floors and objects thoroughly, observing environmental regulations.

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Observe the usual precautions for handling chemicals.

Advice on protection against fire and explosion

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store product in closed containers.

Hints on storage assembly

Do not store together with foodstuffs.

Storage class according to TRGS 510

Storage class according to TRGS 510 10-13 Other combustible and non-combustible substances

Further information on storage conditions

Keep container tightly closed and dry.

7.3. Specific end use(s)

no data

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Other information

Contains no substances with occupational exposure limit values.

8.2. Exposure controls

Respiratory protection

Use breathing apparatus in dust-laden atmosphere. Particle filter P2

Hand protection

In case of intensive contact wear protective gloves.

Appropriate Material neoprene

Appropriate Material nitrile

Appropriate Material PVC

Eye protection

Safety glasses with side protection shield (EN 166)

Body protection

Clothing as usual in the chemical industry.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form solid

Odour threshold

Melitta MULTI TF-TABS

Version: 1 / GB Replaces Version: - / GB Date revised: 05.10.2016

Print date: 05.10.16

Remarks	not determined
pH value	
Remarks	not determined
Melting point	
Remarks	not determined
Freezing point	
Remarks	not determined
Initial boiling point and boiling range	
Remarks	not determined
Flash point	
Remarks	Not applicable
Evaporation rate (ether = 1) :	
Remarks	not determined
Flammability (solid, gas)	
evaluation	not determined
Upper/lower flammability or explosive limits	
Remarks	not determined
Vapour pressure	
Remarks	not determined
Vapour density	
Remarks	not determined
Density	
Remarks	not determined
Solubility in water	
Remarks	not determined
Solubility(ies)	
Remarks	not determined
Partition coefficient: n-octanol/water	
Remarks	not determined
Ignition temperature	
Remarks	not determined
Decomposition temperature	
Remarks	not determined
Viscosity	
Remarks	Not applicable
Explosive properties	
evaluation	not determined
Oxidising properties	
evaluation	None known

9.2. Other information

Other information

None known

SECTION 10: Stability and reactivity

Melitta MULTI TF-TABS

Version: 1 / GB Replaces Version: - / GB Date revised: 05.10.2016

Print date: 05.10.16

10.1. Reactivity

No hazardous reactions when stored and handled according to prescribed instructions.

10.2. Chemical stability

No hazardous reactions known.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

No hazardous reactions known.

Decomposition temperature

Remarks not determined

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity

Species	rat		
LD50	> 2000		mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)		

Acute oral toxicity (Components)

Citric acid, anhydrous

Species	rat		
LD50	11700		mg/kg

Citric acid, anhydrous

Species	mouse		
LD50	5040		mg/kg

pentapotassium bis(peroxymonosulphate) bis(sulphate)

Species	rat		
LD50	1000 to 2000		mg/kg

Acute dermal toxicity

Remarks Based on available data, the classification criteria are not met.

Acute inhalational toxicity

Remarks Based on available data, the classification criteria are not met.

Skin corrosion/irritation

evaluation irritant

Serious eye damage/irritation

evaluation irritant

Sensitization

Remarks Based on available data, the classification criteria are not met.

Subacute, subchronic, chronic toxicity

Remarks Based on available data, the classification criteria are not met.

Mutagenicity

Remarks Based on available data, the classification criteria are not met.

Melitta MULTI TF-TABS

Version: 1 / GB Replaces Version: - / GB Date revised: 05.10.2016

Print date: 05.10.16

Reproductive toxicity

Remarks Based on available data, the classification criteria are not met.

Carcinogenicity

Remarks Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity (STOT)

Remarks not determined

Aspiration hazard

No special hazards have to be mentioned.

Other information

There is no data available on the product apart from the information given in this subsection.

SECTION 12: Ecological information

12.1. Toxicity

General information

not determined

Fish toxicity (Components)

Citric acid, anhydrous

Species	golden orfe (<i>Leuciscus idus</i>)			
LC50	440	to	706	mg/l
Duration of exposure	96	h		

pentapotassium bis(peroxymonosulphate) bis(sulphate)

Species	zebra fish (<i>Brachydanio rerio</i>)			
LC50	32	to	56	mg/l
Duration of exposure	96	h		

Daphnia toxicity (Components)

Citric acid, anhydrous

Species	Daphnia magna			
EC50	120			mg/l
Duration of exposure	72	h		

pentapotassium bis(peroxymonosulphate) bis(sulphate)

Species	Daphnia magna			
EC50	5,3			mg/l
Duration of exposure	24	h		

12.2. Persistence and degradability

General information

not determined

12.3. Bioaccumulative potential

General information

not determined

Partition coefficient: n-octanol/water

Remarks not determined

12.4. Mobility in soil

General information

not determined

12.5. Results of PBT and vPvB assessment

Melitta MULTI TF-TABS

Version: 1 / GB Replaces Version: - / GB Date revised: 05.10.2016

Print date: 05.10.16

General information

not determined

Evaluation of persistence and bioaccumulation potential

The product contains no PBT or vPvB substances.

12.6. Other adverse effects

General information

not determined

General information / ecology

Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

Disposal recommendations for packaging

Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal company.

SECTION 14: Transport information

Land transport ADR/RID

Non-dangerous goods

Marine transport IMDG/GGVSee

The product does not constitute a hazardous substance in sea transport.

Air transport ICAO/IATA

The product does not constitute a hazardous substance in air transport.

SECTION 15: Regulatory information

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

Ingredients (Regulation (EC) No 648/2004)

5 % or over but less than 15 %:

phosphonates

less than 5 %:

polycarboxylates, oxygen-based bleaching agents

Water Hazard Class (Germany)

Water Hazard Class WGK 2
(Germany)

Remarks Classification according to Annex 4 VwVwS

VOC

VOC (EU) 0 %

Other information

The product does not contain substances of very high concern (SVHC).

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

Melitta MULTI TF-TABS

Version: 1 / GB Replaces Version: - / GB Date revised: 05.10.2016

Print date: 05.10.16

SECTION 16: Other information

R-phrases listed in Chapter 3

36 Irritating to eyes.

Hazard statements listed in Chapter 3

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.
H412 Harmful to aquatic life with long lasting effects.

CLP categories listed in Chapter 3

Acute Tox. 4 Acute toxicity, Category 4
Aquatic Chronic 3 Hazardous to the aquatic environment, chronic, Category 3
Eye Dam. 1 Serious eye damage, Category 1
Eye Irrit. 2 Eye irritation, Category 2
Skin Corr. 1B Skin corrosion, Category 1B
Skin Irrit. 2 Skin irritation, Category 2
STOT SE 3 Specific target organ toxicity - single exposure, Category 3

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.