

Material Safety Data Sheet according to EG directive N° 1907/2006

Created on: 01.01.2015 ; revised on: 01.01.2015

Produkt: AMBICLEAN-Cleaning tablets for coffee machines

1. Substance/preparation and company identification

1.1 Product information:

Name: AMBICLEAN-Cleaning tablets for coffee machines
Use: Detergent for coffee machines

1.2 Company information:

Company: Ambideluxe – Svetlana Tschinke
Address: Niggenkamp 14
D-33442 Herzebrock
Telephone: +49(0)176 95 71 46 81
Emergency information: +49(0)89 19240 Giftnotruf München

2. Possible Hazards

2.1 Classification according to material guideline/preparations directive (67/548/EWG and 1999/45/EG, with appendix):



Xi = Irritant

2.2 Hazard information:

R36/38 Irritating to eyes and skin.

Material Safety Data Sheet according to EG directive N° 1907/2006

Created on: 01.01.2015 ; revised on: 01.01.2015

Produkt: AMBICLEAN-Cleaning tablets for coffee machines

3. Composition / Information on ingredients

3.1. Chemical characterization and description:

mixture of hereinafter listed substances and non-hazardous materials

Substance: Sodium Carbonate
CAS-Nr.:497-19-8
Reach-Nr.: 01-2119485498-19-0000
Hazard information(2): H319
Signal word(2):Attention
Hazard pictograms(2):

concentration:15-30%
EWG-Nr.:207-838-8
Hazard designation: Xi
R-phrases(1): 36

Hazard symbols(1):



Substance: sodium percarbonate
CAS-Nr.:15630-89-4
Reach-Nr.: n.a.
Hazard information(2):H272,H302,H315,H319
Signal word(2):Danger
Hazard pictograms(2):

concentration:10-15%
EWG-Nr.:239-707-6
Hazard designation:O,Xn,Xi
R-phrases(1):22-36/38-8

Hazard symbols(1):



Substance: Citric Acid
CAS-Nr.:77-92-9
Reach-Nr.: 01-2119457026-42-0000
Hazard information(2):H315,H318,H335
Signal word(2):Attention
Hazard pictograms(2):

concentration:5-15%
EWG-Nr.:201-069-1
Hazard designation: Xi
R-phrases(1):36/37/38

Hazard symbols(1):



Hints:

- (1) Classification according to material guideline/preparations directive (67/548/EWG and 1999/45/EG, with appendix)
- (2) Classification according to GHS (EG-CLP-Regulation 1272/2008, with appendix).

(The exact wording of the above-named R- and H-phrases can be found in section 16 of this MSDS)

Material Safety Data Sheet according to EG directive N° 1907/2006

Created on: 01.01.2015 ; revised on: 01.01.2015

Produkt: AMBICLEAN-Cleaning tablets for coffee machines

4. First Aid measures

4.1. General information:

Take off immediately all contaminated clothing. Contact a doctor immediately (!) if any medical troubles occur.

4.2. Inhalation:

Remove affected person from the contaminated area, supply fresh air.

4.3. Skin:

Wash skin immediately with plenty of water. If irritation persists contact a doctor.

4.4. Eyes:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Seek medical attention immediately.

4.5. Ingestion:

Rinse mouth immediately and drink plenty of water. Do not induce vomiting due to secondary oesophagus burns. Seek medical attention immediately.

5. Fire fighting measures

5.1. General information:

Product does not burn. Adjust firefighting measures to surroundings. Collect contaminated extinguishing water separately.

5.2. Suitable extinguishing media:

water, foam, dry extinguishing media.

5.3. Extinguishing media which must not be used due to safety reasons:

carbon dioxide

5.4. Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:

Brand promotion by oxygen; when heated – danger of bursting

5.5. Special protective equipment for fire-fighters:

Wear self-contained breathing apparatus

Material Safety Data Sheet according to EG directive N° 1907/2006

Created on: 01.01.2015 ; revised on: 01.01.2015

Produkt: AMBICLEAN-Cleaning tablets for coffee machines

6. Accidental release measures

6.1. Personal precautions:

Wear protective clothing (see section 8 of this MSDS) to prevent contact with skin and eyes.
Always ensure proper ventilation.

6.2. Environmental precautions:

Observe local regulations. Prevent product from reaching the sewer system.
In case of non-containable amounts inform local authorities. (See section 13 of this MSDS)

6.3. Methods for cleaning up:

Small amounts can be rinsed off with an excess of water, larger quantities should be taken up and transferred to a dry container. Dispose of the product following local regulations (eg. Observing max. phosphate content in waste water).

7. Handling and Storage

7.1. Handling:

- 7.1.1. Protect container from dirt.
- 7.1.2. Protect containers from contamination, not gas tight seal (use original cover!) - Keep away from sources of heat.
- 7.1.3. Never return taken out amounts of products to the original container.
- 7.1.4. Prevent dust information. Do not breathe furnres and vapours. In case of furnre and vapour formation ensure sufficient ventilation by air exchange or air extraction.
- 7.1.5. Avoid contact with skin, eyes and clothing – wear personal protection gear.
- 7.1.6. Hygienic measures: Keep away from food, beverages and animal feed. Do not eat, drink and smoke during work. Wash hands thoroughly after the end of work. Remove contaminated clothing immediately.

7.2. Storage:

- 7.2.1. Requirements for storage rooms and containers:
Suitable container materials: HDPE, stainless steel, glass.
Unsuitable container materials: Non-ferrous metals like brass, copper, iron.
- 7.2.2. Storage – additional information on storage conditions:
Store cool and protected from light. Store at an well ventilated place.
Protect from Pollution / contamination. Protect from dirt / contamination.
Store separated from oxidizing material.
 - 7.2.2.1. Fire and explosion prevention:
Non-flammable, in the present concentration weak oxidizing effect.
Elevated temperatures or catalysts (metal shavings) decomposition with formation of oxygen!
 - 7.2.2.2. Storage compatibility:
Keep away from food, beverages and animal feed. Keep away from flammable materials.
Substances to avoid: reduction materials, acids
Storage class: 8
- 7.3. Approved uses: Detergent for coffee machines.

Material Safety Data Sheet according to EG directive N° 1907/2006

Created on: 01.01.2015 ; revised on: 01.01.2015

Produkt: AMBICLEAN-Cleaning tablets for coffee machines

8. Exposure controls / personal protection

8.1. Exposure limit values:

Components with occupational exposure limits resp. Biological occupational exposure limits requiring monitoring: none

CAS-N° - / Substance name - / Occupational limit value -

No chemical safety report necessary: product is a mixture of substances.

8.2. Limiting and monitoring exposure

Technical measures: See section 7 and 8.

Personal protection equipment:

a) Respiratory protection: No respiratory protection necessary if used according to intention.

Use respiratory protection with suitable filter if dust, fumes or vapours occur.

Appropriate filter: Combination filter: NO-P3

b) Hand protection: Wear suitable protective gloves !

Suitable glove materials: Butyl rubber, permeation time ≥ 8 h

Natural rubber, permeation time ≥ 8 h

Polychloroprene, permeation time ≥ 8 h

Additional measures: Follow skin protection plan.

c) Eye protection: Wear eye protection.

d) Body protection: Wear suitable protective clothing.

Follow hygienic measures as described in section 7 of this MSDS.

8.3. Limiting and monitoring of environment exposure:

Follow local regulations! Prevent large amounts of product to reach the sewer system or surface water systems. In case of non-containable amounts inform local authorities immediately. See also section 13 of this MSDS.

9. Physical / Chemical Properties

9.1. General information:

aggregate state: solid / colour: colourless / odour: none

9.2. Important information regarding health- and environment protection and safety:

pH-value (bei 10g/l): approx.10

Melting point: $< 0^{\circ}\text{C}$

Boiling point: thermal decomposition before

Flash point: not applicable

Flammability: no data available

Explosion hazard: no data available

Fire promoting properties: weak fire promoting properties

Vapour pressure: not applicable

Relative density (g/cm³): 0,78

Solubility: soluble in water

Solubility in water: unlimited

Water partition (n-octanol/water): no data available

Viscosity: not applicable

Vapour density: not applicable

Evaporation speed: no data available

Oxidizing properties: no data available

Thermal decomposition: $> 65^{\circ}\text{C}$ forming oxygen and water

Material Safety Data Sheet according to EG directive N° 1907/2006

Created on: 01.01.2015 ; revised on: 01.01.2015

Produkt: AMBICLEAN-Cleaning tablets for coffee machines

10. Stability and Reactivity

General information: no dangerous reactions known if stored and handled appropriately.

10.1. Conditions to avoid:

- a) Light and/or high temperatures: Decomposition by formation of oxygen and water.
- b) Soilings Decomposition by formation of oxygen.
- c) gas-tight sealed container: pressure build-up – risk of bursting.

10.2. Materials to avoid:

- Abraded metal, non-ferrous metals (copper, aluminium, zinc, and their alloys) - Decomposition
- Impurities - Decomposition
- Organic compounds – uncontrolled oxidation reaction
- Alkaline substances – heating by neutralization reaction and accelerated decomposition
- Reducing agent – uncontrolled redox reaction
- Flammable substances – fire hazard

10.3. Dangerous decomposition products:

- Oxygen.
- The product contains stabilizers.
- Under the conditions described in 10.1 and 10.2 large amounts of gaseous oxygen can be released!
- Pressure build-up, bursting! Oxygen supports combustion.

11. Toxicological Information

11.1. Acute Toxicity (calculation method):

- Oral toxicity: LD50: approx. 2550 mg/kg
- Dermal Toxicity: LD50: > 2000 mg/kg
- Inhalative Toxicity: LD50: no data available

11.2. Irritation effects:

- Eyes: highly irritant, Risk of serious damage to eyes
- Skin: irritant
- Respiratory tract: no data available

11.3. Sensitization:

not to be expected, because the product contains no sensitizing ingredients.

11.4. CMR-properties (carcinogenity, mutagenity, reproductive toxicity)

None known to the preparation as such related data.

Material Safety Data Sheet according to EG directive N° 1907/2006

Created on: 01.01.2015 ; revised on: 01.01.2015

Produkt: AMBICLEAN-Cleaning tablets for coffee machines

14. Transport information

14.1. UN-Nr.: no dangerous good
Shipping name: ADR: not necessary
IMDG: not necessary

14.2. Hazard classes and packaging group:
ADR: not applicable ; IMDG: not applicable

14.3. Environmental hazards:
ADR: Labelling according to 5.2.1.8 ADR not required
IMDG: Labelling according to 5.2.1.6.3 IMDG not required dangerous for the environment according to 2.9.3 IMDG. Labelling as marine pollutant.

14.4. Additional information for transportation:
Do not transport below melting point.

15. Regulatory Information

15.1. Product safety assessment:
No corresponding information is currently made available by our raw material suppliers.

15.2. Classification according to EG-Regulation: 67/548/EWG bzw. 1999/45/EG
Xi - Irritant
EG/R: 36/38 – Irritating to eyes and skin.
EG/S: 02 – Keep out the reach of children.
EG/S: 03 – Keep in a cool place.
EG/S:07/08 – Keep container tightly closed and dry.
EG/S 26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
EG/S 28 – After contact with skin, wash immediately with plenty of water.
EG/S 37/39 – Wear suitable gloves and eye/face protection.

15.3. National Regulations:
Water Hazard class: 1 (self-assessment)

Material Safety Data Sheet according to EG directive N° 1907/2006

Created on: 01.01.2015 ; revised on: 01.01.2015

Produkt: AMBICLEAN-Cleaning tablets for coffee machines

16. Additional Information

16.1. Exact wording of R-Phrases as mentioned in Section 2 and 3 of this MSDS:

R 08: Contact with combustible material may cause fire.

R 22: Harmful if swallowed.

R 36: Irritating to eyes.

R 36/37/38: Irritating to eyes, respiratory system and skin.

R 36/38 Irritating to eyes and skin.

16.2. Exact wording of H-Phrases as mentioned in Section 2 and 3 of this MSDS:

H272: May intensify fire; oxidizer

H302: Harmful if swallowed.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

16.3. Training advice:

Training prior to handling this product is mandatory, as well as an annual workstation specific training about dealing with dangerous materials.

16.4. Restriction of use:

Use of the product is restricted to applications defined in sections 1.1 and 7.3.

16.5. References

This MSDS is based on the MSDS` s provided by the raw material suppliers and information gathered from „Gestis-Material Database“ (<http://gestis.itrust.de>).

This information is to the best of our current knowlwdge correct and is intended to describe the product only in terms of health and safety and environmental requirements. Since the conditions of use are outside our control any recommendations or suggestion are made without guarantee and AMBICLEAN-Reinigungsmittel disclaims any liability for loss or damage suffered from use of this information. Customers must satisfy themselves that the product is suitable for a particular purpose.
