	<h1>Safety Data sheet</h1> according to 2006/1907 EC			Page 1 of 4
	Product: Kaffeefettlöser KF8	print date: 05/10/2007	revised on: 04.10.2007	Revisions-No.: 01

1. Product name and Manufacturer

- 1.1. **Identification of the preparation** Kaffeefettlöser KF8
- 1.2. **Use of the preparation:** Cleaner tablets for coffee makers
- 1.3. **Company identification:**

BUCK-Chemie GmbH
Herztstr.1
D-71083 Herrenberg

msds@buck-chemie.de
Tel.: 0049 (0)7032/9769-0

- 1.4. **Emergency Telephone No.**
Information centre for toxic substances, München: Tel.: 0049(0)89/19240

2. Hazards Identification

- To people:** The tablet may cause irritation to eyes and skin after longer contact.
- To Environment:** If used as indicated: no.

3. Composition/Information on Ingredients

Chemical Characterism:	%-area:	CAS:	EINECS:	caution mark:	R-Phase
Citric Acid	1 - 5 %	77-92-9	201-069-1	Xi	36
Sodiumcarbonate Peroxyhydrate	15 - 30 %	15630-89-4	239-707-6	Xn; O	8; 22; 36/38
Sodiumcarbonate	30 - 45 %	497-19-8	207-838-8	Xi	36


See point 16 for the full text of each R phrase

4. First Aid Measures

- Inhalation:** not relevant.
- Skin:** Flush with plenty of water.
- Eyes:** Immediately flush with plenty of water (10 minutes), then get immediate medical attention.
- Ingestion:** If swallowed. Drink large amounts of water. Then get immediate medical attention.
- Special things for first aid:** not relevant.

5. Fire Fighting Measures:

- Extinguish agents**
- suitable: water, extinguish powder, CO₂, foam
 - do not use: none
- Hazard caused by:**
- composition: none
 - Products of combustion: Fire creates carbon dioxide (CO₂), carbon monoxide (CO) and sulphurous gases (SO_x)
 - gas release: none
- Special protecting equipment:** In case of fire, wear self-contained breathing apparatus .
Wear rubber gloves on contact with the aqueous solution.

	Safety Data sheet according to 2006/1907 EC			Page 2 of 4
	Product: Kaffeefettlöser KF8	print date: 05/10/2007	revised on: 04.10.2007	Revisions-No.: 01

6. Accidental Release Measures

Personal precautions:	Avoid contact with skin and eyes.
Environmental precautions:	Keep away from water systems and ground.
Methods for cleaning:	Remove physically, wash remains away with plenty of water

7. Handling and Storage

7.1. Handling:	Transport only in closed lorries.
7.2. Storage:	Keep away from humidity Storage-temperature: >10°C; < 30°C At normal room temperature and low humidity the shelf life is at minimum one year.
7.3. Specific use:	cleaner tablets for coffee makers

8. Exposure Controls / Personal Protection

8.1. Exposure limit values	not available.
8.2. Exposure controls	not necessary, if used as indicated.
8.2.1. Occupational exposure controls	not necessary, if used as indicated.
8.2.1.1 Respiratory protection:	not necessary, if used as indicated.
8.2.1.2 Hand Protection:	not necessary, if used as indicated, If you have contact with the tabs directly, please wear normal household rubber gloves according to DIN EN 420.
8.2.1.3 Eye Protection:	not necessary, if used as indicated.
8.2.1.4 Skin Protection:	not necessary, if used as indicated.
8.2.2. Environmental exposure controls:	not necessary, if used as indicated.

9. Physical and Chemical Properties

9.1. General information	
Appearance:	Tablets; (separately packed in foil)
Colour:	white
Odour:	odourless
9.2. Important health, safety and environmental information	
pH value:	approx. 10 (20 °C; 3,6 g/l H ₂ O)
Boiling point:	not applicable
Flash point (°C):	> 100 °C
Flammability:	not applicable
Explosive properties:	not to expect
Oxidising properties:	not to expect
Vapour pressure:	not applicable
Relative density (20°C):	approx. 1,2 g/cm ³ (20°C)

	Safety Data sheet according to 2006/1907 EC			Page 3 of 4
	Product: Kaffeefettlöser KF8	print date: 05/10/2007	revised on: 04.10.2007	Revisions-No.: 01

Solubility in water: soluble
Fat solubility: no data available
Partition coefficient: n-octanol/water: no data available
Viscosity: no data available
Vapour density: no data available
Evaporation rate: no data available

9.3. **Other information:** not applicable

10. Stability and Reactivity

10.1. **Conditions to avoid** not applicable
 10.2. **Materials to avoid** Water, high humidity.
 10.3. **Hazardous decomposition products** no decomposing within the range of application.

11. Toxicological Information

11.1. **Acute Toxicology:** for 100% sodium carbonate peroxyhydrate:
 11.1.1. **LD50/oral/rat:** 1034 mg / kg
 11.1.2. **Primary skin irritation/rabbit:** Irritant
 11.1.3. **Primary irritation of rabbit eye:** irritant

12. Ecological Information

12.1. **Ecotoxicity** No data available.
 12.2. **Mobility** No data available.
 12.3. **Persistence and degradability:** Due to the raw material data in hand the product is biological decomposable in accordance with OECD 302/B, respectively can be eliminated out of the water in accordance with OECD 301/E.
 12.4. **Bioaccumulative potential** No data available.
 12.5. **Other adverse effect:** Not to expect.

13. Disposal Considerations

Product: Can be burned with household rubbish in refuse incinerators in accordance with local regulations.

14. Transport information

ADR/GGVS Not classified according the guidelines
UN Number Not applicable

	Safety Data sheet according to 2006/1907 EC			Page 4 of 4
	Product: Kaffeefettlöser KF8	print date: 05/10/2007	revised on: 04.10.2007	Revisions-No.: 01

15. Regulatory information

Marking in accordance with EG-Regulations 1999/45/EG and 67/548/EG:

Marking characters and hazardous marking: **Xi irritant**

Hazardous determination component for marking includes:

R-Phrase: R36/38 Irritating to eyes and skin.

S-Phrase:

- 2 Keep out of reach of children.
- 25 Avoid contact with eyes.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 46 If swallowed, seek medical advice immediately and show this container or label.

Special marking of the composition: no

15.2. **National regulations:** (D) WGK = 1 slightly hazardous to water (classification for small amounts)

16. Other information

The data given here are based on our current knowledge particularly the information from our suppliers. The data does not signify any warranty or guarantee with regard to the products' properties. They are only given for help to effect the suitable safety precaution. The receiver of our product had to observe the existing laws and regulations under his own responsibility.

Modifications to the last safety data sheet are marked by a margin stroke.

R-Phrases used in 2.1.:

- R8 Contact with combustible material may cause fire.
- R22 Harmful if swallowed.
- R36 Irritating to eyes.
- R36/38 Irritating to eyes and skin.