

Safety data sheet

according to 1907/2006/EC, Article 31

Page 1/6

Printing date 24.08.2011

Revision: 24.08.2011

* 1 Identification of the substance/mixture and of the company/undertaking

· 1.1 Product identifier

· **Trade name:** Thermo Milk Tabs

· **Article number:** EP1000056THCH

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

· **Application of the substance / the preparation** Coffee machine cleaner

· 1.3 Details of the supplier of the safety data sheet

· **Manufacturer/Supplier:**

Schulz & Sohn GmbH

Chemie-Erzeugnisse

Hoeherweg 327

D-40231 Duesseldorf

info@schulzchemie.com

· **Further information obtainable from:** product safety department

· 1.4 Emergency telephone number:

Toxin emergency call (24 hours):

Phone: +49 (0)30 19240

Advice in English and German.

2 Hazards identification

· 2.1 Classification of the substance or mixture

· **Classification according to Directive 67/548/EEC or Directive 1999/45/EC**

Xi; Irritant

R36: Irritating to eyes.

· **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EC" in the latest valid version.

· **Classification system:**

The classification is according to the latest editions of the EC-lists, and extended by company and literature data.

· 2.2 Label elements

· **Labelling according to EC guidelines:**

The product has been classified and marked in accordance with EC Directives / Ordinance on Hazardous Materials.

· **Code letter and hazard designation of product:**



Xi Irritant

· **Risk phrases:**

36 Irritating to eyes.

· **Safety phrases:**

25 Avoid contact with eyes.

39 Wear eye/face protection.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

(continuation on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Page 2/6

Printing date 24.08.2011

Revision: 24.08.2011

Trade name: Thermo Milk Tabs

(continuation of page 1)

3 Composition/information on ingredients

· 3.2 Chemical characterization: Mixtures

· **Description:** Mixture of substances listed below with nonhazardous additions.

· Dangerous components:		
CAS: 133-37-9 EINECS: 205-105-7	(+/-)-tartaric acid  Xi R36  Eye Irrit. 2, H319	5 - <15%
CAS: 10213-79-3 EINECS: 229-912-9	sodium metasilicate 5-hydrate  C R34;  Xi R37  Met. Corr. 1, H290;  Skin Corr. 1B, H314;  Acute Tox. 4, H302; STOT SE 3, H335	1 - <5%
	dodecyl dipropylene triamine  C R35;  Xn R22-48;  N R50  Acute Tox. 3, H301;  STOT RE 2, H373;  Skin Corr. 1B, H314;  Aquatic Acute 1, H400	<1%
· Regulation (EC) No 648/2004 on detergents / Labelling for contents		
non-ionic surfactants		< 5%

· **Additional information:** For the wording of the listed risk phrases refer to section 16.

4 First aid measures

· 4.1 Description of first aid measures

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:** If irritation persist consult a doctor.

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:** Drink water. Avoid vomiting. Consult a doctor.

· **Information for doctor:**

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

No further relevant information available.

· Indication of any immediate medical attention and special treatment needed

No further relevant information available.

* 5 Firefighting measures

· 5.1 Extinguishing media

· **Suitable extinguishing agents:**

CO₂, powder or water spray.

Adapt extinguishing agents on the surrounding area.

· 5.2 Special hazards arising from the substance or mixture

In case of incomplete combustion formation of carbon monoxide (CO) possible.

· 5.3 Advice for firefighters

Product is not flammable. Adapt the extinguishing agent on the surrounding area.

· **Protective equipment:** In case of formation of carbon monoxide use breathable air bottle.

6 Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

Avoid formation of dust.

Avoid contact with skin, eyes and clothing.

· **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

· 6.3 Methods and material for containment and cleaning up:

Pick up mechanically. Avoid formation of dust. Care for enough aeration.

Continue to use the not contaminated materials. For disposal of contaminated materials see item 13.

(continuation on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Page 3/6

Printing date 24.08.2011
Revision: 24.08.2011

Trade name: Thermo Milk Tabs

(continuation of page 2)

· 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

* 7 Handling and storage

· Handling:

· 7.1 Precautions for safe handling

Follow the general preventive measures when working with chemicals.

Keep receptacles tightly sealed.

· **Information about fire - and explosion protection:** No special measures required.

· 7.2 Conditions for safe storage, including any incompatibilities

· Storage:

· **Requirements to be met by storerooms and receptacles:** Store product only in adapted bottles.

· **Information about storage in one common storage facility:** Not required.

· **Further information about storage conditions:** Keep container tightly sealed.

· **Storage class:** 12 VCI germany.

· **7.3 Specific end use(s)** Do not use with other chemicals.

* 8 Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· 8.1 Control parameters

· **Ingredients with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

· **Additional information:** The lists valid during the making were used as basis.

· 8.2 Exposure controls

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

· **Respiratory protection:**



Short term filter device:

Particlefilter P2

· **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

Recommendation from the company KCL:

article: 395 combi-latex, material: nature-latex, thickness: 1.0 mm

article: 720 camapren, material: chloroprene, thickness: 0.65 mm

article: 730 camatril velours, material: nitrile, thickness: 0.40 mm

(continuation on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Page 4/6

Printing date 24.08.2011

Revision: 24.08.2011

Trade name: Thermo Milk Tabs

(continuation of page 3)

- **Penetration time of glove material** All materials have a penetration time > 480 min = level 6.
- **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

· 9.1 Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Tablets
Colour:	White
· Odour:	Odourless
· pH-value (10 g/l) at 20.0°C:	10.8 (DIN 38404-5)
· Change in condition	
Melting point/Melting range: Undetermined.	
· Flash point:	Not applicable.
· Self-ignitibility:	Product is not self-igniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Density:	Not determined.
· Solubility in / Miscibility with water:	
Fully miscible.	
· Solvent content:	
Organic solvents:	0.0 %
VOC (EC)	0.00 %
· 9.2 Other information	No further relevant information available.

* 10 Stability and reactivity

- **10.1 Reactivity**
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**
Exothermic reaction with acids with formation of carbon dioxide (CO₂)
- **10.4 Conditions to avoid** Acids.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**
Combustion products: Carbon monoxide (CO) and - dioxide (CO₂)

* 11 Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:**
Irritating effect.
Strong irritant with the danger of severe eye injury.
- **Sensitization:** No sensitizing effects known.

(continuation on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Page 5/6

Printing date 24.08.2011

Revision: 24.08.2011

Trade name: Thermo Milk Tabs

(continuation of page 4)

· **Additional toxicological information:**

The product shows the following dangers according to the calculation method of the General EC classification Guidelines for Preparations as issued in the latest version:

Irritant

12 Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:** No further relevant information available.

· **12.2 Persistence and degradability**

The surfactants contained in the product correspond to the direction on the environmental compatibility of detergents and are biodegradable.

· **Behaviour in environmental systems:**

· **12.3 Bioaccumulative potential** No further relevant information available.

· **12.4 Mobility in soil** No further relevant information available.

· **Ecotoxicological effects:**

· **Remark:** No ecotoxicological information known. Toxic effect to aquatic organisms are not to exclude.

· **Additional ecological information:**

· **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to enter ground water, water course or sewage system.

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Other adverse effects** No further relevant information available.

13 Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to official regulations.

· **Recommended cleansing agents:** Water, if necessary together with cleaning agents.

* 14 Transport information

· 14.1 UN-Number · ADR, ADN, IMDG, IATA	Void
· 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA	Void
· 14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class	Void
· 14.4 Packing group · ADR, IMDG, IATA	Void
· 14.5 Environmental hazards: · Marine pollutant:	No
· 14.6 Special precautions for user	Not applicable.
· 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.

(continuation on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Page 6/6

Printing date 24.08.2011

Revision: 24.08.2011

Trade name: Thermo Milk Tabs

(continuation of page 5)

15 Regulatory information

- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases**

H290 May be corrosive to metals.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

.....
R22 Harmful if swallowed.

R34 Causes burns.

R35 Causes severe burns.

R36 Irritating to eyes.

R37 Irritating to respiratory system.

R48 Danger of serious damage to health by prolonged exposure.

R50 Very toxic to aquatic organisms.

- **Department issuing MSDS:** product safety department

- **Contact:** Mr. Bartz

- *** Data compared to the previous version altered.**