

## SECTION 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:**

No further relevant information available.

· **Application of the substance / the preparation:** Cleaning material/ Detergent

· **1.3 Details of the supplier of the safety data sheet:**

· **Manufacturer/Supplier:**

Schulz & Sohn GmbH

Chemie-Erzeugnisse

Hoherweg 327

D-40231 Duesseldorf

info@schulzchemie.com

Distributet by:

Thermoplan AG

Thermoplan-Platz 1

CH-6353 Weggis

Tel.: +41 41 3921200

thermoplan@thermoplan.ch

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

· **1.4 Emergency telephone number:**

Toxin emergency call (24 hours):

Phone: +44 (0) 845 4647

## SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture:**

· **Classification according to Regulation (EC) No 1272/2008:**

Skin Irrit. 2 H315 Causes skin irritation.

Eye Dam. 1 H318 Causes serious eye damage.

· **2.2 Label elements:**

· **Labelling according to Regulation (EC) No 1272/2008:**

The product is classified and labelled according to the CLP regulation.

· **Hazard pictograms**



GHS05

· **Signal word** Danger

· **Hazard-determining components of labelling:**

sodium lauryl sulphate

disodium metasilicate

· **Hazard statements**

H315 Causes skin irritation.

H318 Causes serious eye damage.

· **Precautionary statements**

P262 Do not get in eyes, on skin, or on clothing.

P280 Wear protective clothing / eye protection.

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P302+P352 IF ON SKIN: Wash with plenty of 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.

- **2.3 Other hazards:**
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

## SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 151-21-3 EINECS: 205-788-1	sodium lauryl sulphate ☠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Aquatic Chronic 3, H412	1-<5%
CAS: 6834-92-0 EINECS: 229-912-9 Reg.nr.: 2119449811-37	disodium metasilicate ☠ Met. Corr. 1, H290; Skin Corr. 1B, H314; ⚠ Acute Tox. 4, H302; STOT SE 3, H335	<1%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

## SECTION 4: First aid measures

- **4.1 Description of first aid measures:**
- **General information:** Personal protection for the First Aider.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**  
Immediately wash with water and soap and rinse thoroughly.  
If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:**  
Rinse out mouth and then drink plenty of water.  
If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed:**  
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed:**  
No further relevant information available.

## SECTION 5: Firefighting measures

- **5.1 Extinguishing media:**
- **Suitable extinguishing agents:**  
Use fire extinguishing methods suitable to surrounding conditions.  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture:** No further relevant information available.
- **5.3 Advice for firefighters:**
- **Protective equipment:** No special measures required.

## SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures:** Avoid formation of dust.
- **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.
- **6.4 Reference to other sections:**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

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## SECTION 7: Handling and storage

- **7.1 Precautions for safe handling:** 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:** No special requirements.
    - **Information about storage in one common storage facility:** Not required.
    - **Further information about storage conditions:** None.
    - **Storage class:** 13
  - **7.3 Specific end use(s):** No further relevant information available.
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## SECTION 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:** Wash hands before breaks and at the end of work.
- **Respiratory protection:**

Not necessary if room is well-ventilated.  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:**



Protective gloves!

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves:**

Recommendation:  
uvex u-chem 3000 (DIN EN 374)  
Material: Nitrile rubber, NBR  
Thickness of the material: 0,5 mm  
Value for the permeation: > 480 min (Level 6)

Recommendation:  
uvex u-fit strong N2000 (DIN EN 374)  
Material: Nitrile rubber, NBR  
Thickness of the material: 0,2 mm  
Value for the permeation: > 480 min (Level 6)

Recommendation from the company KCL:  
article: 395 combi-latex, material: nature-latex, thickness: 1.0 mm  
article: 720 camaptren, material: chloroprene, thickness: 0.65 mm  
article: 730 catril velours, material: nitril, thickness: 0.40 mm  
article: 706 lapren, material: nature-latex - polychloroprene - latex, thickness: 0.6 mm

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· **Penetration time of glove material:**

The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

· **Eye protection:** Not required.

## SECTION 9: Physical and chemical properties

· <b>9.1 Information on basic physical and chemical properties:</b>	
· <b>General Information:</b>	
· <b>Appearance:</b>	
<b>Form:</b>	Tablets
<b>Colour:</b>	White
· <b>Odour:</b>	Odourless
· <b>Odour threshold:</b>	Not determined.
· <b>pH-value (100 g/l) at 20 °C:</b>	11.4
· <b>Change in condition:</b>	
<b>Melting point/freezing point:</b>	Undetermined.
<b>Initial boiling point and boiling range:</b>	Undetermined.
· <b>Flash point:</b>	Not applicable.
· <b>Flammability (solid, gas):</b>	Not determined.
· <b>Decomposition temperature:</b>	Not determined.
· <b>Auto-ignition temperature:</b>	Product is not selfigniting.
· <b>Explosive properties:</b>	Product does not present an explosion hazard.
· <b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
· <b>Vapour pressure:</b>	Not applicable.
· <b>Density:</b>	
<b>Relative density:</b>	Not determined.
<b>Vapour density:</b>	Not applicable.
<b>Evaporation rate:</b>	Not applicable.
· <b>Solubility in / Miscibility with:</b>	
<b>water:</b>	Soluble.
· <b>Partition coefficient: n-octanol/water:</b>	Not determined.
· <b>Viscosity:</b>	
<b>Dynamic:</b>	Not applicable.
<b>Kinematic:</b>	Not applicable.
· <b>Solvent content:</b>	
<b>Organic solvents:</b>	0.0 %
<b>VOC (EC):</b>	0.00 %
<b>Solids content:</b>	95.3 %
· <b>9.2 Other information:</b>	No further relevant information available.

## SECTION 10: Stability and reactivity

· **10.1 Reactivity:** Not determined

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- **10.2 Chemical stability:**
  - **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
  - **10.3 Possibility of hazardous reactions:** No dangerous reactions known.
  - **10.4 Conditions to avoid:** No further relevant information available.
  - **10.5 Incompatible materials:** No further relevant information available.
  - **10.6 Hazardous decomposition products:** No dangerous decomposition products known.
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## SECTION 11: Toxicological information

- **11.1 Information on toxicological effects:**
  - **Acute toxicity** Based on available data, the classification criteria are not met.
  - **Primary irritant effect:**
  - **Skin corrosion/irritation**  
Causes skin irritation.
  - **Serious eye damage/irritation**  
Causes serious eye damage.
  - **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
  - **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):**
  - **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
  - **Carcinogenicity** Based on available data, the classification criteria are not met.
  - **Reproductive toxicity** Based on available data, the classification criteria are not met.
  - **STOT-single exposure** Based on available data, the classification criteria are not met.
  - **STOT-repeated exposure** Based on available data, the classification criteria are not met.
  - **Aspiration hazard** Based on available data, the classification criteria are not met.
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## SECTION 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 legislation on the environmental compatibility of detergents and are biodegradable.
  - **12.3 Bioaccumulative potential:** No further relevant information available.
  - **12.4 Mobility in soil:** No further relevant information available.
  - **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 reach 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.
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## SECTION 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 cleansing agents.

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## SECTION 14: Transport information

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

## SECTION 15: Regulatory information

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

## SECTION 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.
- H302 Harmful if swallowed.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H335 May cause respiratory irritation.
- H412 Harmful to aquatic life with long lasting effects.

- **Department issuing SDS:** Product safety department

- **Contact:** Mr. Saurbier

- **Abbreviations and acronyms:**

- ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association
- GHS: Globally Harmonised System of Classification and Labelling of Chemicals
- EINECS: European Inventory of Existing Commercial Chemical Substances
- ELINCS: European List of Notified Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- VOC: Volatile Organic Compounds (USA, EU)
- PBT: Persistent, Bioaccumulative and Toxic
- vPvB: very Persistent and very Bioaccumulative
- Met. Corr. 1: Corrosive to metals – Category 1
- Acute Tox. 4: Acute toxicity – Category 4
- Skin Corr. 1B: Skin corrosion/irritation – Category 1B
- Skin Irrit. 2: Skin corrosion/irritation – Category 2
- Eye Dam. 1: Serious eye damage/eye irritation – Category 1
- STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
- Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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