

1 Identification

- **Product identifier:**
- **Trade name:** Thermo Coffee Tabs
- **Article number:** 128540
- **Application of the substance / the preparation:** Cleaning material/ Detergent
- **Details of the supplier of the safety data sheet:**
- **Manufacturer/Supplier:**
Schulz & Sohn GmbH
Chemie-Erzeugnisse
Hoeheweg 327
D-40231 Duesseldorf
sida@schulzchemie.com
- **Distributet by:**
Thermoplan AG
Thermoplan-Platz 1
CH-6353 Weggis
Tel.: +41 41 3921200
thermoplan@thermoplan.ch
- **Information department:** Product safety department
- **Emergency telephone number:**

POISON CONTROL
National Capital Poison Center
Tel.: 1-800-222-1222

POISON CONTROL
National Capital Poison Center
Tel.: 1-800-222-1222

2 Hazard(s) identification

- **Classification of the substance or mixture:**
Eye Damage 1 H318 Causes serious eye damage.
- **Label elements:**
- **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).
- **Hazard pictograms:**



GHS05

- **Signal word:** Danger
- **Hazard-determining components of labeling:**
sodium percarbonate
tartaric acid
- **Hazard statements:**
Causes serious eye damage.
- **Precautionary statements:**
Wear protective clothing / eye protection.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Safety Data Sheet

acc. to OSHA HCS

Page 2/8

Printing date 03/20/2024
Reviewed on 03/20/2024

Trade name: Thermo Coffee Tabs

(Contd. of page 1)

Get medical advice/attention.

· **Classification system:**

· **NFPA ratings (scale 0 - 4):**



· **HMIS-ratings (scale 0 - 4):**



· **Other hazards:**

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

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

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

· **Dangerous components:**

CAS: 497-19-8 EINECS: 207-838-8	sodium carbonate ⚠ Eye Irritation 2A, H319	15 - <30%
CAS: 15630-89-4 EINECS: 239-707-6	sodium percarbonate ⚠ Oxidizing Solids 2, H272; ⚠ Eye Damage 1, H318; ⚠ Acute Toxicity - Inhalation 4, H332	15 - <30%
CAS: 87-69-4 EINECS: 201-766-0	tartaric acid ⚠ Eye Damage 1, H318	15 - <30%

4 First-aid measures

· **Description of first aid measures:**

· **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

· **After swallowing:** Rinse out mouth and then drink plenty of water.

· **Information for doctor:**

· **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 Fire-fighting measures

· **Extinguishing media:**

· **Suitable extinguishing agents:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire fighting measures that suit the environment.

· **Special hazards arising from the substance or mixture:** No further relevant information available.

· **Advice for firefighters:**

· **Protective equipment:** Wear self-contained respiratory protective device.

(Contd. on page 3)

— US —

Trade name: Thermo Coffee Tabs

(Contd. of page 2)

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:** Ensure adequate ventilation.
- **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.
- **Protective Action Criteria for Chemicals**

· PAC-1:		
497-19-8	sodium carbonate	7.6 mg/m3
87-69-4	tartaric acid	1.6 mg/m3
7758-29-4	pentasodium triphosphate	0.61 mg/m3
· PAC-2:		
497-19-8	sodium carbonate	83 mg/m3
87-69-4	tartaric acid	17 mg/m3
7758-29-4	pentasodium triphosphate	6.8 mg/m3
· PAC-3:		
497-19-8	sodium carbonate	500 mg/m3
87-69-4	tartaric acid	100 mg/m3
7758-29-4	pentasodium triphosphate	620 mg/m3

7 Handling and storage

- **Handling:**
- **Precautions for safe handling:** The usual precautions when handling chemicals should be taken.
- **Information about protection against explosions and fires:** Protect from heat.
- **Conditions for safe storage, including any incompatibilities:**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store only in the original receptacle.
Storage between 5 and 40°C.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Protect from heat and direct sunlight.
Store in dry conditions.
Protect from humidity and water.
- **Storage class:** 11
- **Specific end use(s):** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical systems:** No further data; see section 7.
- **Control parameters:**
- **Components 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 that were valid during the creation were used as basis.

(Contd. on page 4)

Trade name: Thermo Coffee Tabs

(Contd. of page 3)

- **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 skin.
Avoid contact with the eyes and skin.
- **Breathing equipment:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
- **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)

- **Penetration time of glove material:**
The determined penetration times according to EN 16523-1:2015 are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.

- **Eye protection:**



Tightly sealed goggles!

9 Physical and chemical properties

· Information on basic physical and chemical properties:	
· General Information:	
· Appearance:	
Form:	Solid
Color:	Red
· Odor:	Characteristic
· Odor threshold:	Not determined.
· pH-value (10 g/l) at 20 °C (68 °F):	10.2
· Change in condition:	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
· Flash point:	Not applicable.

(Contd. on page 5)

Trade name: Thermo Coffee Tabs

(Contd. of page 4)

· Flammability (solid, gaseous):	Not determined.
· Decomposition temperature:	Not determined.
· Ignition temperature:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapor pressure:	Not applicable.
· Density:	Nicht bestimmt
· Relative density:	Not determined.
· Vapour density:	Not applicable.
· Evaporation rate:	Not applicable.
· Solubility in / Miscibility with:	
Water:	Soluble.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.
· Solvent content:	
Organic solvents:	0.0 %
Solids content:	100.0 %
· Other information:	No further relevant information available.

10 Stability and reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects:**
- **Acute toxicity:**

· LD/LC50 values that are relevant for classification:		
15630-89-4 sodium percarbonate		
Oral	LD50	1034 mg/kg (rat)
Dermal	LD50	2001 mg/kg (rabbit)
Inhalative	LC50/4 h	2.275 mg/L (rat)

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** Strong irritant with the danger of severe eye injury.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:

(Contd. on page 6)

Trade name: Thermo Coffee Tabs

Irritant

(Contd. of page 5)

· **Carcinogenic categories:**

· IARC (International Agency for Research on Cancer):
None of the ingredients is listed.
· NTP (National Toxicology Program):
None of the ingredients is listed.
· OSHA-Ca (Occupational Safety & Health Administration)
None of the ingredients is listed.

12 Ecological information

- **Toxicity:**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability:** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (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.
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods:**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

· UN-Number	
· DOT, ADR, ADN, IMDG, IATA	Void
· UN proper shipping name	
· DOT, ADR, ADN, IMDG, IATA	Void
· Transport hazard class(es)	
· DOT, ADR, ADN, IMDG, IATA	
· Class	Void
· Packing group	
· DOT, ADR, IMDG, IATA	Void
· Environmental hazards:	Not applicable.
· Special precautions for user	Not applicable.

(Contd. on page 7)

Safety Data Sheet

acc. to OSHA HCS

Trade name: Thermo Coffee Tabs

(Contd. of page 6)

· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
· UN "Model Regulation":	Void

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
No further relevant information available.
- **Sara:**

· Section 355 (extremely hazardous substances):
None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):
7758-29-4 pentasodium triphosphate

· TSCA (Toxic Substances Control Act):
497-19-8 sodium carbonate
15630-89-4 sodium percarbonate
87-69-4 tartaric acid
7758-29-4 pentasodium triphosphate

- **Proposition 65:**

· Chemicals known to cause cancer:
None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:
None of the ingredients is listed.

- **Carcinogenic categories:**

· EPA (Environmental Protection Agency):
None of the ingredients is listed.

· TLV (Threshold Limit Value established by ACGIH):
None of the ingredients is listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health):
None of the ingredients is listed.

- **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:**
H272 May intensify fire; oxidizer.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.

- **Department issuing SDS:** HSE department
- **Contact:** HSE Department
- **Date of preparation / last revision** 03/20/2024

(Contd. on page 8)

Trade name: Thermo Coffee Tabs

(Contd. of page 7)

· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

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)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

Oxidizing Solids 2: Oxidizing solids – Category 2

Acute Toxicity - Inhalation 4: Acute toxicity – Category 4

Eye Damage 1: Serious eye damage/eye irritation – Category 1

Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A

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

— US —