

# Safety Data Sheet

according to HPR, Schedule 1

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Date of issue 12/17/2025

Revision: 12/17/2025

Version number 1


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## 1 Identification

- **Product identifier:**
- **Trade name:** Thermo Coffee Tabs evolution
- **Other means of identification**
- **Article number:** 144.493-144.494
- **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

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## 2 Hazard identification

- **Classification of the substance or mixture:**  
Eye damage/irritation – Category 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:**  
tartaric acid  
sodium percarbonate
  - **Hazard statements:**  
Causes serious eye damage.
  - **Precautionary statements:**  
Wash hands thoroughly after handling.  
Wear eye protection / face protection.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

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- **Information pertaining to particular dangers for man and environment:**
- **Classification system:**
- **NFPA ratings (scale 0 - 4):**



- **HMIS-ratings (scale 0 - 4):**



## 3 Composition/Information on ingredients

- **Chemical characterization: Mixtures**
- **Description:** Mixture of the substances listed below with nonhazardous additions.

### · **Dangerous components:**

497-19-8	sodium carbonate ⚠ Eye damage/irritation – Category 2A, H319	10-30% w/w
15630-89-4	sodium percarbonate ⚠ Oxidizing solids – Category 2, H272; ⚠ Eye damage/irritation – Category 1, H318; ⚠ Acute Toxicity (Inhalation) - Category 4, H332	10-30% w/w
87-69-4	tartaric acid ⚠ Eye damage/irritation – Category 1, H318; ⚠ Specific target organ toxicity (single exposure) – Category 3, H335	10-30% w/w

Actual concentration ranges are withheld as a trade secret.

## 4 First-aid measures

- **Description of first aid measures:**
- **General information:**  
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Immediately rinse with water.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**  
Immediately call a doctor.  
Rinse out mouth and then drink plenty of water.
- **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:** 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.

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## 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:**  
Dispose contaminated material as waste according to section 13.
  - **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.
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## 7 Handling and storage

- **Precautions for safe handling:** Prevent formation of dust.
  - **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:** 13
  - **Specific end use(s):** No further relevant information available.
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## 8 Exposure controls/ Personal protection

- **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.
- **Exposure controls:**
- **Additional information about design of technical systems:** No further data; see section 7.
- **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.
- **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.

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**Trade name:** Thermo Coffee Tabs evolution

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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:**

· **Physical state**

Solid

· **Color:**

White

· **Odor:**

Characteristic

· **Odor threshold:**

Not determined

· **Melting point/Melting range:**

Undetermined

· **Boiling point/Boiling range:**

Undetermined

· **Flammability:**

Not determined

· **Explosion limits:**

· **Lower:**

Not determined

· **Upper:**

Not determined

· **Flash point:**

Not applicable

· **Decomposition temperature:**

Not determined

· **pH-value at 20 °C:**

9.8 (10%)

· **Viscosity:**

· **Kinematic:**

Not applicable

· **Dynamic:**

Not applicable

· **Solubility in / Miscibility with:**

· **Water:**

Soluble.

· **Partition coefficient (n-octanol/water):**

Not determined

· **Vapor pressure:**

Not applicable

· **Vapor pressure:**

· **Density at 20 °C:**

0.962 g/cm<sup>3</sup>

· **Relative density:**

Not determined

· **Vapour density:**

Not applicable

· **Particle characteristics**

Not determined

· **Other information:**

· **Appearance:**

· **Form:**

Tablets

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· **Important information on protection of health and environment, and on safety.**

- **Ignition temperature:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Solvent content:**
- **Water:** 0.4 %
- **Solids content:** 100.0 %
- **Change in condition:**
- **Evaporation rate:** Not applicable.

## 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:**

**497-19-8 sodium carbonate**

Oral	LD50	4,090 mg/kg (rat)
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· **Primary irritant effect:**

- **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:  
 Harmful  
 Irritant

· **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.

## 12 Ecological information

· **Toxicity:**

· **Aquatic toxicity:**

**497-19-8 sodium carbonate**

Inhalative	LC50/96 h	300 mg/L (fish)
	EC50/48 h	265 mg/L (daphnia)

- **Persistence and degradability:** No further relevant information available.
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.

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

· **PBT:** Not applicable

· **vPvB:** Not applicable

· **Other adverse effects:**

· **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.

## 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

· <b>UN-Number</b> · <b>DOT/TDG, ADR, IMDG, IATA</b>	Void
· <b>UN proper shipping name</b> · <b>DOT/TDG, ADR, IMDG, IATA</b>	Void
· <b>Transport hazard class(es)</b> · <b>DOT/TDG, ADR, ADN, IMDG, IATA</b> · <b>Class</b>	Void
· <b>Packing group</b> · <b>DOT/TDG, ADR, IMDG, IATA</b>	Void
· <b>Environmental hazards:</b>	Not applicable
· <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable
· <b>Special precautions for user</b>	Not applicable
· <b>UN "Model Regulation":</b>	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):**

None of the ingredients is listed.

· **TSCA (Toxic Substances Control Act):**

497-19-8	sodium carbonate	ACTIVE
15630-89-4	sodium percarbonate	ACTIVE
144538-83-0	Tetranatriumiminodisuccinat	ACTIVE

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87-69-4	tartaric acid	ACTIVE
	Alkohole, C16-18, ethoxyliert	ACTIVE
25322-68-3	polyethylene glycol	ACTIVE
7732-18-5	water	ACTIVE

· **Canadian substance listings:**

· **Canadian Domestic Substances List (DSL):**

497-19-8	sodium carbonate
15630-89-4	sodium percarbonate
144538-83-0	Tetranatriumiminodisuccinat
87-69-4	tartaric acid
	Alkohole, C16-18, ethoxyliert
25322-68-3	polyethylene glycol
7732-18-5	water

· **Canadian Non-Domestic Substances List (NDSL)**

None of the ingredients is listed.

· **Canadian Ingredient Disclosure list (limit 0.1%):**

None of the ingredients is listed.

· **Canadian Ingredient Disclosure list (limit 1%):**

497-19-8 | sodium carbonate

· **Per- and polyfluoroalkyl substances (PFAS)**

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.  
H335 May cause respiratory irritation.

· **Department issuing SDS:** HSE department

· **Contact:** HSE Department

· **Date of preparation** 12/17/2025

· **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods  
DOT: US Department of Transportation  
IATA: International Air Transport Association  
EINECS: European Inventory of Existing Commercial 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