

Safety Data Sheet

according to HPR, Schedule 1

Page 1/7

Date of issue 12/17/2025

Revision: 12/17/2025

Version number 1

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

Hoeherweg 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

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.

(Contd. on page 2)

CA

Trade name: Thermo Coffee Tabs evolution

(Contd. of page 1)

· **Information pertaining to particular dangers for man and environment:**

· **Classification system:**

· **NFPA ratings (scale 0 - 4):**



Health = 3
Fire = 0
Reactivity = 0

· **HMIS-ratings (scale 0 - 4):**

HEALTH	*3
FIRE	0
REACTIVITY	0

Health = 3
Fire = 0
Reactivity = 0

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.

(Contd. on page 3)

CA

Safety Data Sheet

according to HPR, Schedule 1

Page 3/7

Date of issue 12/17/2025

Revision: 12/17/2025

Version number 1

Trade name: Thermo Coffee Tabs evolution

(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:**
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.

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.

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.

(Contd. on page 4)

CA

Safety Data Sheet

according to HPR, Schedule 1

Page 4/7

Date of issue 12/17/2025

Revision: 12/17/2025

Version number 1

Trade name: Thermo Coffee Tabs evolution

(Contd. of page 3)

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:**

Not determined

· **Lower:**

Not determined

· **Upper:**

Not determined

· **Flash point:**

Not applicable

· **Decomposition temperature:**

Not determined

· **pH-value at 20 °C:**

9.8 (10%)

· **Viscosity:**

Not applicable

· **Kinematic:**

Not applicable

· **Dynamic:**

Not applicable

· **Solubility in / Miscibility with:**

Soluble.

· **Water:**

Not determined

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

Not applicable

· **Vapor pressure:**

Not applicable

· **Vapor pressure:**

0.962 g/cm³

· **Density at 20 °C:**

Not determined

· **Relative density:**

Not applicable

· **Vapour density:**

Not applicable

· **Particle characteristics**

Not determined

· **Other information:**

· **Appearance:**

Tablets

(Contd. on page 5)

CA

Safety Data Sheet

according to HPR, Schedule 1

Page 5/7

Date of issue 12/17/2025

Revision: 12/17/2025

Version number 1

Trade name: Thermo Coffee Tabs evolution

(Contd. of page 4)

· **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)
------	------	-------------------

· **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.

(Contd. on page 6)

CA

Safety Data Sheet

according to HPR, Schedule 1

Page 6/7

Date of issue 12/17/2025

Revision: 12/17/2025

Version number 1

Trade name: Thermo Coffee Tabs evolution

(Contd. of page 5)

· **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

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

(Contd. on page 7)

CA

Safety Data Sheet

according to HPR, Schedule 1

Page 7/7

Date of issue 12/17/2025

Revision: 12/17/2025

Version number 1

Trade name: Thermo Coffee Tabs evolution

(Contd. of page 6)		
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 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

CA —