

SECTION 1: Identification of the substance/mixture and of the company/undertaking

· 1.1 Product identifier:

· **Trade name:** Thermo Coffee Tabs evolution

· **Article number:** 144.493-144.494

· **UFI:** FAV0-409U-200Q-6J29

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

· **Product category:** PC35 Washing and cleaning products (including solvent based products)

· **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

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

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

· 1.4 Emergency telephone number:

Toxin emergency call (24 hours):

Phone: +44 (0) 845 4647

Emergency medical information: 8am - 10pm (seven days) contact

National Poison Information Centre, Beaumont Hospital, Dublin 9.

Tel: 01 8379964 or 01 8092566

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture:

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

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 percarbonate

tartaric acid

· **Hazard statements**

H318 Causes serious eye damage.

(Contd. on page 2)

IE —

Trade name: Thermo Coffee Tabs evolution

(Contd. of page 1)

· **Precautionary statements**

P264 Wash hands thoroughly after handling.

P280 Wear eye protection / face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

· **2.3 Other hazards:**

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

· **PBT:** Not applicable

· **vPvB:** Not applicable

SECTION 3: Composition/information on ingredients

· **3.2 Mixtures**

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

· **Dangerous components:**

CAS: 497-19-8 EINECS: 207-838-8 Reg.nr.: 2119485498-19	sodium carbonate ! Eye Irrit. 2, H319	15-<30%
CAS: 15630-89-4 EINECS: 239-707-6 Reg.nr.: 2119457268-30	sodium percarbonate ! Ox. Sol. 2, H272; ! Eye Dam. 1, H318; ! Acute Tox. 4, H332 Specific concentration limits: Eye Dam. 1; H318: C ≥ 25 % Eye Irrit. 2; H319: 7.5 % ≤ C < 25 %	15-<30%
CAS: 87-69-4 EINECS: 201-766-0	tartaric acid ! Eye Dam. 1, H318	15-<30%

· **Regulation (EC) No 648/2004 on detergents / Labelling for contents:**

oxygen-based bleaching agents	≥15 - <30%
-------------------------------	------------

· **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:**

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:**

Call for a doctor immediately.

Rinse out mouth and then drink plenty of water.

· **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.

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

· **5.3 Advice for firefighters:**

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

(Contd. on page 3)

IE —

Trade name: Thermo Coffee Tabs evolution

(Contd. of page 2)

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures:** Not required
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Dispose contaminated material as waste according to section 13.
- **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.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling:** Prevent formation of dust.
- **Information about fire - and explosion protection:** Protect from heat.
- **7.2 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 container tightly sealed.
Protect from heat and direct sunlight.
Store in dry conditions.
Protect from humidity and water.
- **Storage class:** 13
- **7.3 Specific end use(s):** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **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:**
- **Appropriate engineering controls** No further data; see section 7.
- **Individual protection measures, such as 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.
- **Respiratory protection:**
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.
- **Hand protection**



Protective gloves!

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

(Contd. on page 4)

IE

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/face protection**



Tightly sealed goggles!

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties:**

· **General Information:**

· **Physical state**

Solid

· **Colour:**

White

· **Odour:**

Characteristic

· **Odour threshold:**

Not determined

· **Melting point/freezing point:**

Undetermined

· **Boiling point or initial boiling point and boiling range**

Undetermined

· **Flammability**

Not determined

· **Lower and upper explosion limit**

Not determined

· **Lower:**

Not determined

· **Upper:**

Not determined

· **Flash point:**

Not applicable

· **Decomposition temperature:**

Not determined

· **pH at 20 °C**

9.8 (10%)

· **Viscosity:**

Not applicable

· **Kinematic viscosity**

Not applicable

· **Dynamic:**

Not applicable

· **Solubility**

Soluble.

· **water:**

Not determined

· **Partition coefficient n-octanol/water (log value)**

Not applicable

· **Vapour pressure:**

Not applicable

· **Density and/or relative density**

0.962 g/cm³

· **Density at 20 °C:**

Not determined

· **Relative density:**

Not applicable

· **Vapour density:**

See section 3.

· **Particle characteristics**

(Contd. on page 5)

IE —

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Page 5/8

Printing date 17.12.2025

Revision: 17.12.2025

Version number 1

Trade name: Thermo Coffee Tabs evolution

(Contd. of page 4)

9.2 Other information:	
Appearance:	
Form:	Tablets
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
Solvent content:	
Water:	0.4 %
Solids content:	100.0 %
Change in condition:	
Evaporation rate:	Not applicable.
Information with regard to physical hazard classes	
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

- 10.1 Reactivity:** No further relevant information available.
- 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.

SECTION 11: Toxicological information

- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- Acute toxicity** Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:	
497-19-8 sodium carbonate	
Oral	LD50 4,090 mg/kg (rat)

- Primary irritant effect:**
- Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- Serious eye damage/irritation** Causes serious eye damage.

(Contd. on page 6)

IE —

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Page 6/8

Printing date 17.12.2025

Revision: 17.12.2025

Version number 1

Trade name: Thermo Coffee Tabs evolution

(Contd. of page 5)

- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **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.

· 11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity:

· Aquatic toxicity:

497-19-8 sodium carbonate

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

· 12.2 Persistence and degradability: No further relevant information available.

· 12.3 Bioaccumulative potential: No further relevant information available.

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

· 12.5 Results of PBT and vPvB assessment:

· PBT: Not applicable

· vPvB: Not applicable

· 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

· 12.7 Other adverse effects:

· 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.

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.

SECTION 14: Transport information

· 14.1 UN number or ID number

· ADR, IMDG, IATA

Void

· 14.2 UN proper shipping name

· ADR, IMDG, IATA

Void

· 14.3 Transport hazard class(es)

· ADR, ADN, IMDG, IATA

· Class

Void

(Contd. on page 7)

IE

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Page 7/8

Printing date 17.12.2025

Revision: 17.12.2025

Version number 1

Trade name: Thermo Coffee Tabs evolution

(Contd. of page 6)

· 14.4 Packing group	Void
· ADR, IMDG, IATA	
· 14.5 Environmental hazards:	Not applicable
· 14.6 Special precautions for user	Not applicable
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable
· UN "Model Regulation":	Void

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**
 - Directive 2012/18/EU
 - Named dangerous substances - ANNEX I None of the ingredients is listed.
 - DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II
None of the ingredients is listed.
 - REGULATION (EU) 2019/1148
 - Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))
None of the ingredients is listed.
 - Annex II - REPORTABLE EXPLOSIVES PRECURSORS
None of the ingredients is listed.
 - Regulation (EC) No 273/2004 on drug precursors
None of the ingredients is listed.
 - Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors
None of the ingredients is listed.
- **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:**

H272 May intensify fire; oxidiser.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.

- **Department issuing SDS:** HSE department

- **Contact:** HSE Department

- **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

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

(Contd. on page 8)

IE

Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Page 8/8

Printing date 17.12.2025

Revision: 17.12.2025

Version number 1

Trade name: Thermo Coffee Tabs evolution

(Contd. of page 7)

vPvB: very Persistent and very Bioaccumulative

Ox. Sol. 2: Oxidizing solids – Category 2

Acute Tox. 4: Acute toxicity – Category 4

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

IE —