

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.03.2021

Version number 1

Revision: 12.03.2021

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

- **1.1 Product identifier**
- **Trade name: Jeden Tag Anti-Kalk Tabs / Limescale Prevention Tablets**
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- **Life cycle stages** C Consumer use
- **Product category** PC35 Washing and cleaning products (including solvent based products)
- **Application of the substance / the mixture** Cleaning material/ Detergent
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Thurn Germany GmbH
Henneferstraße 2
D-53819 Neunkirchen-Seelscheid GERMANY
Tel.: +49 2247-9039-0 Fax.: +49 2247-9039-11
- **Further information obtainable from:**
Product safety department, tel.: +49(0)2247/9039-233, email: produktsicherheit@thurn-produkte.com
- **1.4 Emergency telephone number:** +49(0)2247/9039-255

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



Eye Irrit. 2 H319 Causes serious eye irritation.

- **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**



GHS07

- **Signal word** Warning
- **Hazard statements**
H319 Causes serious eye irritation.
- **Precautionary statements**

| | |
|----------------|--|
| P101 | If medical advice is needed, have product container or label at hand. |
| P102 | Keep out of reach of children. |
| P264 | Wash thoroughly after handling. |
| P301+P310 | IF SWALLOWED: Immediately call a POISON CENTER/ doctor. |
| 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**
Based on the composition and ingredient data the formulation contains neither PBT- nor vPvB-ingredients.
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Chemical characterisation: Mixtures**
- **Description:** Cleansing agent

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.03.2021

Version number 1

Revision: 12.03.2021

Trade name: Jeden Tag Anti-Kalk Tabs / Limescale Prevention Tablets

(Contd. of page 1)

· Dangerous components:

| | | | |
|--------------------------------|-------------|----------------------|--------|
| CAS: 77-92-9 | citric acid | ⚠ Eye Irrit. 2, H319 | 60-70% |
| EINECS: 201-069-1 | | | |
| Reg.nr.: 01-2119457026-42-XXXX | | | |

· 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**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Rinse with warm water.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
Protect unharmed eye.
- **After swallowing:** Do not induce vomiting; call for medical help immediately.
- **4.2 Most important symptoms and effects, both acute and delayed**
After inhalation: irritation of respiratory tract, coughing, possibly breathing difficulty
After swallowing: irritation of mucous membranes, vomiting, diarrhea, Risk of aspiration
- **4.3 Indication of any immediate medical attention and special treatment needed**
If swallowed or in case of vomiting, danger of entering the lungs.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **5.2 Special hazards arising from the substance or mixture**
Under certain fire conditions, traces of other toxic gases cannot be excluded.
- **5.3 Advice for firefighters**
- **Protective equipment:**
Do not inhale explosion gases or combustion gases.
Wear self-contained respiratory protective device.
- **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Product forms slippery surface when combined with water.
Avoid formation of dust.
Wear protective clothing.
- **6.2 Environmental precautions:** Do not allow to penetrate the ground/soil.
- **6.3 Methods and material for containment and cleaning up:**
Pick up mechanically.
Dispose of the material collected according to regulations.
Clean the affected area carefully; suitable cleaners are:
Warm water
Weak alkaline solution
Send for recovery or disposal in suitable receptacles.
- **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.

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.03.2021

Version number 1

Revision: 12.03.2021

Trade name: Jeden Tag Anti-Kalk Tabs / Limescale Prevention Tablets

(Contd. of page 2)

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Prevent formation of dust.
Provide suction extractors if dust is formed.
- **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:**
Protect from heat and direct sunlight.
Store in dry conditions.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Additional information about design of technical facilities:** No further data; see item 7.
- **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.

· PNECs

77-92-9 citric acid

| | |
|----------|------------------------------------|
| Water | 0.44 mg/l (freshwater) |
| | 44 mg/l (marine water) |
| | >1,000 mg/l (waste water plant) |
| Sediment | 36.4 mg/kg (freshwater sediment) |
| | 3.64 mg/kg (marine water sediment) |
| | 33.1 mg/kg (soil) |

- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
Do not eat, drink, smoke or sniff while working.
Avoid close or long term contact with the skin.
Avoid contact with the eyes.
Wash hands before breaks and at the end of work.
Use skin protection cream for skin protection.
- **Respiratory protection:**
Not necessary if room is well-ventilated.
Short term filter device:
Filter P2
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
- **Material of gloves**
Butyl rubber, BR
Recommended thickness of the material: ≥ 0.5 mm
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

(Contd. on page 4)

GB

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.03.2021

Version number 1

Revision: 12.03.2021

Trade name: Jeden Tag Anti-Kalk Tabs / Limescale Prevention Tablets

(Contd. of page 3)

- **Penetration time of glove material**

Value for the permeation: Level \leq 6

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.

- **For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:**

Rubber gloves

Synthetic rubber gloves

Plastic gloves

PVA gloves

PVC or PE gloves

- **Eye protection:** Goggles recommended during refilling

- **Body protection:** Protective work clothing

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

- **Form:**

Powder

Tabs

- **Colour:**

White

- **Odour:**

Odourless

- **Odour threshold:**

Not determined.

- **pH-value (10 g/l) at 20 °C:**

ca. 3.5

- **Change in condition**

- **Melting point/freezing point:**

Undetermined.

- **Initial boiling point and boiling range:**

Undetermined.

- **Flash point:**

Not applicable.

- **Flammability (solid, gas):**

Not determined.

- **Decomposition temperature:**

Not determined.

- **Auto-ignition temperature:**

Product is not selfigniting.

- **Explosive properties:**

Product does not present an explosion hazard.

- **Explosion limits:**

- **Lower:**

Not determined.

- **Upper:**

Not determined.

- **Vapour pressure:**

Not applicable.

- **Density:**

Not determined.

- **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:**

- **Solids content:**

>95 %

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.03.2021

Version number 1

Revision: 12.03.2021

Trade name: Jeden Tag Anti-Kalk Tabs / Limescale Prevention Tablets

(Contd. of page 4)

- **9.2 Other information** No further relevant information available.

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 toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD/LC50 values relevant for classification:**

| Components | | Type | Value | Species |
|----------------------------|------|------|-------------------------------|---------|
| 77-92-9 citric acid | | | | |
| Oral | LD50 | | 5,040 mg/kg (mouse) | |
| | | | 3,000 mg/kg (rat) | |
| Dermal | LD50 | | >2,000 mg/kg (rat) (OECD 402) | |

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**
Causes serious eye irritation.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Additional toxicological information:**
- **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.

SECTION 12: Ecological information

- **12.2 Persistence and degradability**
The surfactants contained in the product correspond to the legislation on the environmental compatibility of detergents and are biodegradable.
- **Behaviour in environmental systems:**

| Components: | |
|----------------------------|--|
| 77-92-9 citric acid | |
| EC50 (static) | 1,535 mg/l (daphnia) (OECD 202 (24h, Daphnia magna)) |
| LC50 (static) | 440-760 mg/l (fish) (OECD 203 (96h, Leuciscus idus)) |

- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.03.2021

Version number 1

Revision: 12.03.2021

Trade name: Jeden Tag Anti-Kalk Tabs / Limescale Prevention Tablets

(Contd. of page 5)

The product may not be released into the environment without control.

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

The product should not be released into the aquatic environment without preliminary treatments (purification plant).

The evaluation was performed in accordance with the calculation procedure of the preparation guideline.

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

Based on the composition and ingredient data the formulation contains neither PBT- nor vPvB-ingredients.

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**

· **Recommendation**

Larger amounts of product residues have to be taken to hazardous waste collection points.

· **Uncleaned packaging:**

· **Recommendation:** Non contaminated packagings may be recycled.

· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

· **14.1 UN-Number**

· **ADR, ADN, IMDG, IATA** Void

· **14.2 UN proper shipping name**

· **ADR, ADN, IMDG, IATA** Void

· **14.3 Transport hazard class(es)**

· **ADR, ADN, IMDG, IATA**

· **Class** Void

· **14.4 Packing group**

· **ADR, IMDG, IATA** Void

· **14.5 Environmental hazards:**

· **Marine pollutant:** No

· **14.6 Special precautions for user** Not applicable.

· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.

· **UN "Model Regulation":** Void

SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
Regulation (EU) No 648/2004 (Detergent Regulation)

· **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**

H319 Causes serious eye irritation.

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

· **Contact:** Dep. Product Safety, Tel. +49(0)2247/9039-233

· **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

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.03.2021

Version number 1

Revision: 12.03.2021

Trade name: Jeden Tag Anti-Kalk Tabs / Limescale Prevention Tablets

(Contd. of page 6)

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)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

GB