

SAFETY DATA SHEETS

Entkalker

مزيل الترسبات الخاص بمكينات تحضير القهوة
Препарат за почистване на котлен камък от
кафемашини
Descalcificador para máquinas de café
咖啡机除垢剂
Odvápňovací přípravek pro kávovary
Afkalker til kaffemaskiner
Kohvimasinate katlakivi eemaldusvahend
Descalcificador para cafeteras
Descaler for coffee machines
Kalkinpoistoaine kahvinkeittille
Détartrant pour machines à café
Προϊόν αφαίρεσης αλάτων για καφετιέρες
מסיר אבנית למכונות קפה
Sredstvo za uklanjanje kamenca za aparate za kavu
Vízkeoldó kávéfőző gépekhez
Bahan pendekalsifikasi untuk mesin kopi
सफ़ाई की गोलियां - कॉफी मशीन के लिए
Decalcificante per macchine da caffè

コーヒーマシン用除石灰剤
커피 머신 석회질 제거제
Kalkių šalinimo priemonė kavos aparatams
Atkalķotājs kafijas automātiem
Penyahkerak untuk mesin kopi
Ontkalker voor koffiemachines
Avkalker til kaffemaskiner
Odkamieniacz do kawiarek
Descalcificante para máquinas de café
Decalcifiant pentru mașini de cafea
Средство для удаления накипи из кофемашин
Avkalkningsmedel för kaffemaskiner
Sredstvo za odstranjevanje vodnega kamna iz
kavnega avtomata
Odvápňovač pre kávovary
น้ำยาล้างคราบตะกอนสำหรับเครื่องชงกาแฟ
Kahve makineleri için kireç çözücü
咖啡機除鈣劑
Засіб для видалення накипу із кавових машин



Achtung, Warning, Attention, Внимание, Varování,
Advarsel, Hoiatus, Atención, Varoitus, Figyelem,
Attenzione, Atsargiai, Uzmanību, Waarschuwing,
Advarsel, Uwaga, Atenção, Atenție, Осторожно,
Varning, Pozor, Pozor, Увага, Dikkat, Upozorenje,
Προσοχή, 경고, 警告, Amaran, 警告, 警告, Atenção,
Peringatan, चेतावनी, คำเตือน !, எச்சரிக்கை

MAKE IT
Wonderful!

FRANKE

Safety Data Sheet

according to WHS Regulations

Page 1/7

Printing date 14.07.2021

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Version number 4

Hazardous according to criteria of Australian Safety and Compensation Council.

SECTION 1: Identification

- **1.1 Product identifier:**
- **Trade name:** Descaler for coffee machines
- **Article number:**
SAP no.: 567.0000.008; 560.0004.035
IFS no.: 1P315430; 1N330512
- **1.2 Relevant identified uses of the substance or mixture and uses advised against:**
No further relevant information available.
- **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
-
- Distributed by:
Franke Coffee Systems
369 Princess Highway
St. Peters 2044
NSW, Australia
Tel.: +61 432 428 386
Email.: Dubravko.Palinic@franke.com

- **Further information obtainable from:** Product safety department
- **1.4 Emergency telephone number:**

Poisons Information Centre (24 hours):
Phone: 13 11 26

SECTION 2: Hazard(s) Identification

- **2.1 Classification of the substance or mixture:**
 - **Classification according to Regulation (EC) No 1272/2008:**
Skin Irrit. 2 H315 Causes skin irritation.
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.

(Contd. on page 2)

— AU —

Trade name: Descaler for coffee machines

(Contd. of page 1)

· **Hazard pictograms**



GHS07

· **Signal word** Warning

· **Hazard statements**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

· **Precautionary statements**

P264 Wash thoroughly after handling.

P280 Wear protective gloves / eye protection / face protection.

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

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

· **2.3 Other hazards:**

The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds or formaldehydes.

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

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

SECTION 3: Composition and Information on Ingredients

· **3.2 Chemical characterisation: Mixtures**

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

· **Dangerous components:**

5329-14-6	sulphamidic acid	⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	5 - <15%
5949-29-1	citric acid	⚠ Eye Irrit. 2, H319	5 - <15%

· **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:**

Immediately wash with water and soap and rinse thoroughly.

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.

· **After swallowing:**

Rinse out mouth and then drink plenty of water.

If symptoms persist consult doctor.

· **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: Fire Fighting Measures

· **5.1 Extinguishing media:**

· **Suitable extinguishing agents:**

Use fire extinguishing methods suitable to surrounding conditions.

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

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

(Contd. on page 3)

Trade name: Descaler for coffee machines

(Contd. of page 2)

· **5.3 Advice for firefighters:**

· **Protective equipment:**

Wear self-contained respiratory protective device.

No special measures required.

SECTION 6: Accidental Release Measures

· **6.1 Personal precautions, protective equipment and emergency procedures:**

Wear protective equipment. Keep unprotected persons away.

· **6.2 Environmental precautions:**

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

· **6.3 Methods and material for containment and cleaning up:**

Ensure adequate ventilation.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

· **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:**

Keep receptacles tightly sealed.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

· **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:** Keep container tightly sealed.

· **Storage class:** 12

· **7.3 Specific end use(s):** No further relevant information available.

SECTION 8: Exposure controls and 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.

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 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 eyes.

Avoid contact with the eyes and skin.

· **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.

(Contd. on page 4)

Trade name: Descaler for coffee machines

(Contd. of page 3)

· **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!

SECTION 9: Physical and Chemical Properties

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

· **General Information:**

· **Appearance:**

Form:	Fluid
Colour:	Red
Odour:	Odourless
Odour threshold:	Not determined.

· **pH-value (10 g/l) at 20 °C:** 2.1

· **Change in condition:**

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	> 100 °C

· **Flash point:** Not applicable.

· **Flammability (solid, gas):** Not applicable.

· **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 determined.

(Contd. on page 5)

Trade name: Descaler for coffee machines

(Contd. of page 4)

· Density at 20 °C:	1.105 g/cm ³
· Relative density:	Not determined.
· Vapour density:	Not determined.
· Evaporation rate:	Not determined.
· Solubility in / Miscibility with: water:	Fully miscible.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity: Dynamic: Kinematic:	Not determined. Not determined.
· Solvent content: Organic solvents: Water: VOC (EC):	0.0 % 78.0 % 0.00 %
· 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:** Reacts with alkali (lyes).
- **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.
- **Primary irritant effect:**
- **Skin corrosion/irritation**
Causes skin irritation.
- **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

- **12.1 Toxicity:**
- **Aquatic toxicity:** No further relevant information available.
- **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.

(Contd. on page 6)

Safety Data Sheet

according to WHS Regulations

Page 6/7

Printing date 14.07.2021

Revision: 14.07.2021

Version number 4

Trade name: Descaler for coffee machines

(Contd. of page 5)

· **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.

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

· **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:**

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	
· ADG, ADN, IMDG, IATA	Void
· 14.2 UN proper shipping name	
· ADG, ADN, IMDG, IATA	Void
· 14.3 Transport hazard class(es)	
· ADG, ADN, IMDG, IATA	
· Class	Void
· 14.4 Packing group	
· ADG, 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:**

· **Australian Inventory of Chemical Substances:**

5329-14-6	sulphamidic acid
5949-29-1	citric acid
6419-19-8	nitrilotrimethylenetris(phosphonic acid)
10294-56-1	phosphonic acid
547-58-0	sodium 4-(4-dimethylaminophenylazo)benzenesulphonate
7732-18-5	water

· **Standard for the Uniform Scheduling of Drugs and Poisons:**

5329-14-6	sulphamidic acid	S5, S6
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(Contd. on page 7)

— AU —

Safety Data Sheet

according to WHS Regulations

Page 7/7

Printing date 14.07.2021

Revision: 14.07.2021

Version number 4

Trade name: Descaler for coffee machines

(Contd. of page 6)

10294-56-1	phosphonic acid	S5
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- **Directive 2012/18/EU**
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3
- **National regulations:**
- **Information about limitation of use:** Employment restrictions concerning juveniles must be observed.
- **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:**
H315 Causes skin irritation.
H319 Causes serious eye irritation.
- **Department issuing SDS:** Product safety department
- **Contact:** Security 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)
VOC: Volatile Organic Compounds (USA, EU)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
- **Data compared to the previous version altered.**

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