

Material Safety Data Sheet

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according to regulation EC No. 1907/2006 (REACH) and regulation (EU) No. 2015/830

Print date: 09.03.23

Version: 005

Revision date: 12/23/22

1. Identification of the substance/mixture and of the company/undertaking

- 1.1 Product Identifier (trade name):** **Schaerer Calcpure**
UFI: V600-604V-S007-53G1
- 1.2 Relevant identified uses of mixture:** Liquid descaling agent for coffee machines.
- 1.3 Details of the supplier of the MSDS:** Emil Bihler Chemische Fabrik GmbH+Co.KG
Heidenheimer Str. 52
D-73312 Geislingen (Steige)
Phone: +49 (0)7331 30490-0 Fax: -99 e-mail: info@emil-bihler.de
- 1.4 Emergency telephone number:** +49(0)30 19240 (Medical toxicology unit Berlin)
+49(0)171 2840295; Contact: Stephan Bihler
(Languages: german and english)

2. Hazards identification

2.1 Classification of mixture according to regulation EC 1272/2008:

Hazard classes	Hazard categories	Hazard statements
Serious eye irritation.	2	H319
Skin irritation.	2	H315

2.2 Label elements:

Hazard pictograms



Signal word: **ATTENTION**

Hazard statements: H315 Causes skin irritation
H319 Causes serious eye irritation.

Precautionary statements: P280 Wear protective gloves/protective clothing/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.
P337+P313 If eye irritation persists: Get medical advice/attention.

2.3 Other hazards:

May cause irritation in eyes and on mucous membrane. Not appropriately with designated use.
Keep locked up and out of reach of children.

3. Composition/information on ingredients

3.2 Mixtures:

Composition/ information on ingredients: Aqueous cleaner consisting of anorganic acids with agents for metal protection.

Hazardous ingredients:

CAS-No	Substance name	%	Classification according CLP
5329-14-6	Sulfamic acid	5-15	cat. 2: H315, 319; cat. 3: H412
13598-36-2	Phosphonic acid	<1	cat. 1: H318

4. First aid measures

4.1 Description of first aid measures

General informations: No special first help measures necessarily.

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After inhalation: none
 After skin contact: Wash off with plenty of water.
 After eye contact: Rinse immediately with plenty of water. If necessary consult a physician.
 After swallowing: Rinse mouth with water and drink plenty of it. Consult a physician and show label or this paper. Do not supply vomiting.

4.2 The most important acute and delayed appearing symptoms and effects: No information available.

4.3 Indication of any immediate medical attention and special treatment needed No information available.

5. Fire-fighting measures

5.1 Extinguishing media:

Suitable: Harmonize to environs.
 Unsuitable extinguishing media: Harmonize to environs.

5.2 Special hazards arising from the substance or mixture: none

5.3 Advice for fire-fighters: none

6. Accidental release measures

6.1 Personal precautions: Eye protection, hand protection. Do not inhale vapors/mist/gas. Ensure adequate ventilation.

6.2 Environmental precautions: Pay attention to waste legislation. Do not leave into surface or ground water.

6.3 Means for removal: Soak up with water.

6.4 Reference to other sections: See also sections 8 and 13

7. Handling and storage

7.1 Precautions for safe handling

Handling precautions: Wash after handling, especially before eating, drinking and smoking. Avoid eye contact. Keep away from children.

Protection against fire and explosion: No special measures necessarily.

7.2 Conditions for safe storage, including any incompatibilities

Technical protective measures: Keep containers firmly locked.

Industrial hygiene: There are no restrictions in the locked original bundle. Keep away otherwise from foods, drinks and animal food.

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

8. Exposure controls / Personal protection

8.1 Control parameters: none

CAS-No	Substance name	%	Type	Value	Unity
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Exposure limitation and controls

8.2 Exposure controls

Working hygiene: Take care like handling other chemicals.

Respiratory protection: none

Skin protection: Working with large quantities: protective gloves (EN 374, NBR >0,1 mm, >10 min.)

Eye protection: Working with large quantities: Eye/face protection (EN 166)

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9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	liquid		
Colour:	colourless		
Odour:	without any smell		
Change:	melting point	0 °C	DIN 51583
	boiling temperature	appr. 100 °C	DIN 51751
pH value:	at 20°C (1%)	1,15-1,20	electrometer
Flash point:		n.a. °C	
Ignition temperature:		n.a.	
Spontaneous ignition:		none	
Explosion hazard:		none	
Vapour pressure:	at 20°C	no data	mbar
Density:	at 20°C	1,085-1,095	g/cm ³
Index of refraction:	at 20°C	1,35	
Solubility in	water	complete	
	organic solvents	<0,1	%
Viscosity:	at 20°C	30	mm ² /s
Contents of solvents:	organic	<0,1	%
	water	appr. 85	%
Contents of solids:	at 20°C	appr. 15	%

n.a. = not applicable

9.2 Other informations: none

10. Stability and reactivity

10.1 Reactivity: none**10.2** Chemical stability: stable**10.3** Possibility of hazardous reactions: No dangerous reactions known**10.4** Conditions to avoid: Do not mix with other cleaners or chemicals**10.5** Incompatible materials: not known**10.6** Hazardous decomposition products: not known

11. Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Akute toxicity:	LD50-Value: >200 mg/kg (rat)
Primary irritation effect on skin:	not irritant
Primary irritation effect after eye contact:	irritant
Sensitisation:	not known
Subacute and chronic toxicity:	not known
Mutagenicity/Carcinogenicity/Reproductive Toxicity:	not known

12. Ecological information

12.1 Toxicity:	With appropriate use no fish-toxic effects are to be expected.
12.2 Persistence and degradability:	Product is well biodegradable (according to the legal regulations)
12.3 Bioaccumulative potential	With the transport of small quantities in the drains no danger exists.
12.4 Mobility in soil:	Do not allow to get directly to soil and waters.
12.5 Results of PBT and vPvB assessment:	n.a.
12.6 Endocrine disrupting properties:	not known
12.7 Other adverse effects:	not known

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13. Disposal considerations

13.1 Waste treatment methods

Product: Only dispose into drains according to the legal regulations.

Disposal key-Germany: 070699 / Bez.: Abfälle aus organ.-chem. Prozessen, Abfälle aus HZVA v. Waschmitteln

Uncleaned packagings: Only dispose clean containers. Cleaner: Water

Disposal key-Germany: 150102 / Bez.: Verpackungsabfall, Verpackungen aus Kunststoff

14. Transport information

14.1 Land transport (ADR/RID and GGVS/GGVE)

Class / Kemler / UN / Packing group / Label / LQ: 8 / 80 / 3264 / III / 8 / E1

14.2. Inland shipping no data

14.3 Sea transport (IMDG/GGVSee)

Class / UN / Packing group / Label / EMS / LQ 8 / 3264 / III / 8 / F-A, S-B / E1

Marine pollutant: no

14.4 Air transport (ICAO/IATA)

Class / UN / Packing group / Label / LQ: 8 / 3264 / III / 8 / E1

14.5 Environmental hazards: not known

14.6 Special precautions for user no regulations

14.7 Maritime transport in bulk according to IMO: No transport in bulk according the IBC-Code.

Proper shipping name: CORROSIVE LIQUID; ACIDIC; INORGANIC; N.O.S (SULPHAMIC ACID)

15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the mixture

National regulations: (Germany):

Wassergefährdungsklasse: 1 (schwach wassergefährdend, Selbsteinstufung)

TA Luft: n.a.

VOC: 0%

15.2 Chemical Safety Assessment

We currently have no information from our suppliers.

16. Other informations

Indication of changes: none

Relevant H-phrases of section 3 (number and full text):

H315 Causes skin irritation; H318 Causes serious eye damage; H319 Causes serious eye irritation; H412 Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms:

See ECHA: Guidance on information requirements and chemical safety assessments, Chapter R.20 (List of terms and abbreviations).

This general description is based on the present state of our knowledge. It should describe our product in view of security requirements and do not have therefore the meaning to assure certain properties. We assume no liability for the completeness, correctness, accuracy and propriety of this information.