

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : **Quick descaler 541**

Revision : 05.02.2020

Version (Revision) : 3.0.0 (2.0.0)

Print date : 18.02.2020

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

### 1.1 Product identifier

Quick descaler 541 (10010541)

### 1.2 Relevant identified uses of the substance or mixture

Acid cleaner

### 1.3 Details of the supplier of the safety data sheet

#### Manufacturer/Supplier :

Halag Chemie AG

#### Street :

Weiernstrasse 30

#### Postal code/city :

CH-8355 Aadorf

#### Telephone :

+41584336868

#### Telefax :

+41584336879

#### Contact :

Matthias Trösch (matthias.troesch@halagchemie.ch)

#### EU Representation (CLP/REACH):

WOG Logistics GmbH

#### Street :

Radetzkyst. 126

#### Postal code/city :

AT-6845 Hohenems

#### Telephone :

+43 55 769 06 22

#### Telefax :

+43 55 769 06 22 10

#### E-mail :

admin@worldofgreen.at

### 1.4 Emergency telephone number

Schweizerisches Tox-Zentrum, 24h-Notfallnr. 145, Telefon +41 44 251 51 51

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008 [CLP]

Skin Irrit. 2 ; H315 - Skin corrosion/irritation : Category 2 ; Causes skin irritation.

Eye Irrit. 2 ; H319 - Serious eye damage/eye irritation : Category 2 ; Causes serious eye irritation.

### 2.2 Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

##### Hazard pictograms



Exclamation mark (GHS07)

##### Signal word

Warning

##### Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

##### Precautionary statements

P102 Keep out of reach of children.

P264 Wash the skin immediately and thoroughly with plenty of water after contact or after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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

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

##### Special rules for supplemental label elements for certain mixtures

EUH210 Safety data sheet available on request.

### 2.3 Other hazards

None

## 3. Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous ingredients

SULPHAMIDIC ACID ; EC No. : 226-218-8; CAS No. : 5329-14-6

Weight fraction : 5 - 10 %

Classification 1272/2008 [CLP] : Skin Irrit. 2 ; H315 Eye Irrit. 2 ; H319 Aquatic Chronic 3 ; H412

#### Additional information

Full text of H- and EUH-phrases: see section 16.

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## 4. First aid measures

### 4.1 Description of first aid measures

#### General information

When in doubt or if symptoms are observed, get medical advice.

#### Following inhalation

Provide fresh air.

#### In case of skin contact

Immediately remove any contaminated clothing, shoes or stockings. Wash with plenty of water.

#### After eye contact

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Flush with plenty of water (10-15 min.). Call a physician immediately.

#### After ingestion

Call a physician immediately. Keep at rest. Do NOT induce vomiting. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

### 4.2 Most important symptoms and effects, both acute and delayed

No information available.

### 4.3 Indication of any immediate medical attention and special treatment needed

None

## 5. Firefighting measures

Co-ordinate fire-fighting measures to the fire surroundings.

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water mist Water spray jet Foam Carbon dioxide (CO2) Dry extinguishing powder

### 5.2 Special hazards arising from the substance or mixture

Not combustible under normal conditions.

### 5.3 Advice for firefighters

#### Special protective equipment for firefighters

In case of fire: Wear self-contained breathing apparatus.

### 5.4 Additional information

Do not allow run-off from fire-fighting to enter drains or water courses.

## 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

See protective measures under point 7 and 8.

### 6.2 Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

### 6.3 Methods and material for containment and cleaning up

#### For cleaning up

Soak up inert absorbent and dispose as waste requiring special attention. Prevent spread over a wide area (e.g. by containment or oil barriers).

### 6.4 Reference to other sections

None

## 7. Handling and storage

### 7.1 Precautions for safe handling

Avoid contact with skin, eyes and clothes. When using do not eat, drink, smoke, sniff. Other regulations, restrictions and prohibition regulations To follow : Normal precautions taken when handling chemicals should be observed. Keep locked up.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep/Store only in original container. Notice the directions for use on the label. Keep container tightly closed. Storage temperature: 5 - 30 °C. Always close containers tightly after the removal of product. Ensure adequate ventilation of the storage area. Store in accordance with local official regulations.

#### Hints on joint storage

**Storage class (Switzerland):** 10/12

**Storage class (TRGS 510) :** 12

#### Do not store together with

Keep away from: Alkali (lye).

#### Further information on storage conditions

Shelf life from production: 2.5 years

### 7.3 Specific end use(s)

None

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## 8. Exposure controls/personal protection

By law, the employer is obliged to carry out a risk assessment and to define suitable measures appropriate to the risk. If the threshold limit in Section 8.1 as defined by the authorities is exceeded, all the protective measures listed in Section 8.2 must be applied and regular measurements must be made in order to ensure compliance with the official threshold limits. The described measures must be applied in every situation in which a risk cannot be excluded. If the assessment shows a low risk for endangering the employees, the measures can be relaxed according to the risk.

### 8.1 Control parameters

None

### 8.2 Exposure controls

#### Personal protection equipment

Wash hands before breaks and after work.

#### Eye/face protection

Use safety glasses or face protection to EN 166. Use safety glasses or face protection to EN 166.

#### Skin protection

##### Hand protection

Suitable chemical resistant protective gloves according to ISO EN 374-1:2016: Type A or B, Permeation resistance (penetration resistance): 30 minutes. Material: Nitrile. thickness  $\geq$  0.38 mm. Glove recommendation: Sol-Vex 37-675 (Type A, thickness 0.38 mm, test chemicals used: J,K,L,O,P,T) or Sol-Vex 37-185 (Type A, thickness 0.56 mm, test chemicals used: A,G,J,K,L,P,T) This information is based on the manufacturer's specifications. It should be noted that the daily service life of a chemical protective glove in practice (due to many influencing factors such as e.g. heat) may be shorter than the permeation time determined according to EN 374. The service life of a glove can be considerably prolonged, if it is regularly washed with soap and water after work is finished or at least rinsed off under a running tap. Suitable chemical resistant protective gloves according to ISO EN 374-1:2016: Type A or B, Permeation resistance (penetration resistance): 30 minutes. Material: Nitrile. thickness  $\geq$  0.38 mm. Glove recommendation: Sol-Vex 37-675 (Type A, thickness 0.38 mm, test chemicals used: J,K,L,O,P,T) or Sol-Vex 37-185 (Type A, thickness 0.56 mm, test chemicals used: A,G,J,K,L,P,T) This information is based on the manufacturer's specifications. It should be noted that the daily service life of a chemical protective glove in practice (due to many influencing factors such as e.g. heat) may be shorter than the permeation time determined according to EN 374. The service life of a glove can be considerably prolonged, if it is regularly washed with soap and water after work is finished or at least rinsed off under a running tap.

##### Body protection

Wear suitable protective clothing to EN 14605, EN 20344, EN 20345: protective clothing and boots.

##### Respiratory protection

EN 143, EN 14387. None, if handled according to order.

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

Physical state : Liquid

Colour : colourless

Odour : odourless

#### Safety relevant basis data

Initial boiling point and boiling range :	( 1013 hPa )	not applicable
Flash point :		not applicable
Vapour pressure :	( 50 °C )	not applicable
Density :	( 20 °C )	1.06 g/cm <sup>3</sup>
Solvent separation test :	( 20 °C )	not applicable
Solubility in water :		well water-solubly
pH value :	( 20 °C / 5 g/l )	5.6
Viscosity;	( 5 °C )	approx. 3 mPa.s
Viscosity :	( 20 °C )	approx. 2 mPa.s

### 9.2 Other information

None

## 10. Stability and reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

No information available.

### 10.3 Possibility of hazardous reactions

No information available.

### 10.4 Conditions to avoid

Stable under recommended storage and handling conditions(See section 7).

### 10.5 Incompatible materials

Alkali (lye). Keep away from:

### 10.6 Hazardous decomposition products

None known.

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## 11. Toxicological information

### 11.1 Information on toxicological effects

No information available.

### 11.4 Other adverse effects

Prolonged or repeated contact with skin or mucous membrane result in irritation symptoms such as redness, blistering, dermatitis, etc. Irritating to eyes. Inhaling: in high concentration irritations of the mucous membranes possible. After swallowing: Causes burns at mouth, throat, mucous membrane, esophagus, stomach, intestine.

#### Other observations

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

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## 12. Ecological information

### 12.1 Toxicity

No information available.

### 12.2 Persistence and degradability

No information available.

### 12.3 Bioaccumulative potential

No information available.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

No information available.

### 12.6 Other adverse effects

No information available.

### 12.7 Additional ecotoxicological information

The sewage liberated during use can be emptied into drains after separation of the solid material part and with preceding neutralization. When leading acid or alkaline products into sewage disposal plants, the waste water lead in must not be above or below a ph-value of 6.5 to 9, for a displacement of the ph-value may cause disturbances in sewers and biological sewage works. Local rules have priority.

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## 13. Disposal considerations

### 13.1 Waste treatment methods

#### Product/Packaging disposal

Product residues are considered as special refuse and are by the label "special refuse" and the waste code to be marked. Non-contaminated packages may be recycled.

#### Waste codes/waste designations according to EWC/AVV

##### Waste code product

EU: Waste code (2008/98/EG) : 20 01 14\* // CH: Waste code (VeVA, SR 814.610): 20 01 14 S // AT: Waste code (ÖNORM S 2100): 52102 Inorganic acids

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## 14. Transport information

### 14.1 UN number

No information available.

### 14.2 UN proper shipping name

No information available.

### 14.3 Transport hazard class(es)

No information available.

### 14.4 Packing group

No information available.

### 14.5 Environmental hazards

No information available.

### 14.6 Special precautions for user

None

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## 15. Regulatory information

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

#### EU legislation

##### Authorisations and/or restrictions on use

##### Restrictions on use

The product is intended for professional use.

Use restriction according to REACH annex XVII, no. : 3

##### National regulations

##### Water hazard class (WGK)

Classification according to AwSV - Class : 1 (Slightly hazardous to water)

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## 15.2 Chemical safety assessment

No information available.

## 16. Other information

### 16.1 Indication of changes

07. Hints on joint storage - Storage class · 14. UN proper shipping name - Land transport (ADR/RID) · 14. UN proper shipping name - Sea transport (IMDG) · 14. UN proper shipping name - Air transport (ICAO-TI / IATA-DGR) · 14. Transport hazard class(es) - Land transport (ADR/RID) · 14. Transport hazard class(es) - Sea transport (IMDG) · 14. Transport hazard class(es) - Air transport (ICAO-TI / IATA-DGR) · 15. Restrictions on use · 15. Water hazard class (WGK)

### 16.2 Abbreviations and acronyms

None

### 16.3 Key literature references and sources for data

None

### 16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

No information available.

### 16.5 Relevant H- and EUH-phrases (Number and full text)

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

### 16.6 Training advice

None

### 16.7 Additional information

The details in this material safety data sheet satisfy national and EC legislation. We have no knowledge or control over the user's working conditions however. The user is responsible for the observance of all required statutory provisions.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.