

SAFETY DATA SHEET

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



Art. 2220, RH 200 SUPER

Version: 6

Revision date: 28.09.2016

Date of print: 28.09.2016

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

Product identifier

Identification / trade name: Art. 2220, RH 200 SUPER

REACH registration number: not notifiable

Relevant identified uses of the substance or mixture and uses advised against

Use of the substance / mixture:

Cleaning agent for commercial use

Details of the supplier of the safety data sheet

Supplier / Manufacturer: HWR-CHEMIE GmbH
Moosfeldstrasse 7
D-82275 Emmering

Telephone: 0049-8141-51030

Telefax: 0049-8141-510355

E-mail: info@hwr-chemie.de

Department responsible for information

Information contact: Laboratory

E-mail (competent person): infoSDB@hwr-chemie.de

Emergency telephone: 0049-8141-51030 (only during office hours)

2. Hazards identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Skin Corr. 1C, H314; Met. Corr. 1, H290

Label elements

Labelling according to Regulation (EC) No 1272/2008

This mixture is hazardous in the sense of regulation (EC) No 1272/2008.

Hazard pictograms



Signal word: Danger.

Hazard statements

H314 Causes severe skin burns and eye damage.

H290 May be corrosive to metals.

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Precautionary statements

P102 Keep out of reach of children.

P260 Do not breathe mist/vapours/spray.

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

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing.

Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P304+P340 IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P501 Dispose of contents/container at hazardous or special waste collection point.

Hazard components for labeling

potassium hydroxide

3. Composition / information on ingredients

Chemical characterization

Mixture of surfactants, alkali, builders and auxiliaries in water.

Hazardous ingredients

30 - 40 % Sodium hydroxide, CAS 1310-73-2, Skin corr. 1A, H314; Met. Corr. 1, H290

1 - 5 % Alkylpolyglucoside, CAS 68515-73-1, Skin Irrit. 2, H315; Eye Dam. 1, H318

1 - 5 % Ethandiol, CAS 107-21-1, Acute Tox. 4, H302

Remark

Full text of H-phrases: see section 16.

4. First aid measures

General informations:	In all cases of doubt, or when symptoms persist, seek medical advice.
In case of inhalation:	not applicable
In case of skin contact:	Wash thoroughly with water.
In case of eye contact:	Flush immediately with plenty of water and obtain medical advice.
In case of ingestion:	Do not induce vomiting, drink plenty of water and obtain medical advice.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media: water / foam / carbondioxide / dry chemical

Unsuitable extinguishing media: none

Special hazards arising from the substance or mixture

Corrosive vapours may be formed during combustion.

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Advice for fire-fighters

Protective clothing.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Avoid contact with skin and eyes.

Environmental precautions

Do not allow to enter undiluted into surface water or drains.

Methods and material for containment and cleaning up

Absorb with an absorbent material and dispose of according to local regulations. Acids may be used for pH neutralization.

Reference to other sections

Observe protective measures in sections 7 and 8.

7. Handling and Storage

Precautions for safe handling

Advices on safe handling

Avoid contact with skin, eyes and clothes.

Precautions against fire and explosion

Product does not burn itself.

Conditions for safe storage, including any incompatibilities

Information on storage conditions

Store in tightly closed original container in a dry and cool place.

Requirements for storage rooms and vessels

No special measures necessary.

8. Exposure controls / Personal protection

Control parameters

Does not contain substances fixing an occupational exposure limit.

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Exposure controls

Technical measures

See section 7. No additional measures necessary.

Personal protection equipment

Respiratory protection: not applicable

Hand protection: Tested gloves with breakthrough time \geq 8 hours made from NR 0.5 mm, CR 0.5 mm, NBR 0.35 mm, Butyl 0.5 mm, FKM 0.4 mm, PVC 0.5 mm

Eye protection: use safety goggles

Protective clothing: usual work clothes

General health and safety measures

Respect good personal hygiene. Do not drink, eat or smoke while handling.

Environmental exposure controls

See section 6 and 7.

9. Physical and chemical properties

Information on basic physical and chemical properties

General information

Physical state:	liquid
Colour:	colourless
Odour:	mild
pH value (undiluted):	approx. 14
pH value (1 %):	approx. 13
Freezing point (°C):	approx. -22
Boiling temperature (°C):	approx. 100
Vapour pressure (hPa):	approx. 23
Density (g/cm³):	approx. 1.38
Water solubility:	mixable
Fat solubility:	insoluble
Dynamic viscosity (mPas):	approx. 10

Other information

No other physical and chemical data has been recorded.

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10. Stability and Reactivity

Reactivity

No decomposition if used and stored according to specifications.

Chemical stability

Stable under normal conditions.

Possibility of hazardous reactions

There are expected no hazardous reactions for intended use.

Conditions to avoid

No dangerous conditions known.

Incompatible materials

Avoid contact with aluminium, magnesium, tin and zinc.

Hazardous decomposition products

Corrosive vapours may be formed during combustion.

11. Toxicological information

Information on toxicological effects

no data

Irritant and corrosive effects

Causes severe burns.

Sensitisation

No irritation known or suspected.

CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)

No CMR activities known or suspected.

Additional information

No further detrimental effects known to us.

12. Ecological information

Toxicity

No data available.

Persistence and degradability

The surfactants contained in this preparation comply with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.

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Bioaccumulative potential

No data available.

Mobility in soil

No data available.

Other adverse effects

No data available.

13. Disposal considerations

Waste treatment methods

Recommendation

Dispose of according to local regulations.

Waste codes/waste designations according to EWC

07 06 99

Packaging

Contaminated package

Dispose of according to local regulations.

Cleaned package

Non contaminated and clean packagings can be used for recycling.

14. Transport information

Land transport (ADR/RID)

Class:	8
Classification code:	C5
UN number:	1824
Packing group:	II
Hazard label:	8
Transport designation:	sodium hydroxide solution
Remark:	Transport as "limit quantity" according to chapter 3.4 ARD/RID

Sea transport (IMDG)

IMDG-CODE-Class:	8
UN number:	1824
Packing Group:	II
Proper Shipping Name:	sodium hydroxide solution

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Air transport (ICAO-TI / IATA-DGR)

Class or Division: 8
UN/ID number: 1824
Packing Group: II
Proper Shipping Name: sodium hydroxide solution

15. Regulatory information

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

National regulations

Water hazard class (WGK): WGK 1

Chemical Safety Assessment

For this mixture a chemical safety assessment has not been carried out.

16. Other information

Relevant H- and EUH-phrases (number and full text)

H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.

Data sources

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.