

SAFETY DATA SHEET

SDS QRR010905

Version: D10-EN (11-04-2022)

According to Regulation (EC) 1907/2006, Article 31

SECTION 1 IDENTIFICATION OF SUBSTANCE AND COMPANY**1.1 Product identifier****Trade name** Starrsed Cleaning Agent**Article number** QRR 010905**1.2 Relevant identified uses of the substance or mixture and uses advised against** Product to remove protein deposition from the Westergren pipettes of Starrsed ESR analyzers.**Application of the substance / the mixture** Laboratory chemicals.**1.3 Details of the supplier of the safety data sheet** Mechatronics Instruments B.V.
P.O. Box 225
1620 AE Hoorn
The Netherlands
Phone: +31 229 291 129
Fax: +31 229 241 534**Informing department** **Contact:** Support Department
Email: support@rrmechatronics.com**1.4 Emergency telephone number** Support
During normal office hours (8 a.m. till 4:30 p.m., GMT+1)
Phone: +31 229 291 129**SECTION 2 HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture:** Classification according to Regulation (EC) 1272/2008 (CLP) **Skin Corr. 1B****2.2 Label elements** Labelling according Regulation (EC) 1272/2008 [CLP]**Hazard pictograms****Signal word** WARNING**Hazard statements (H and EUH)** H315: Causes skin irritation.
H319: Causes serious eye irritation.


Precautionary statements (P)	<p>P280: Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P301+P330+P331: IF SWALLOWED: rinse mouth. Do NOT induce vomiting.</p> <p>P321: Specific treatment (see on this label).</p> <p>P332+P313: If skin irritation occurs: Get medical advice/attention.</p> <p>P337+P313: If eye irritation persists: Get medical advice/attention.</p>
Supplemental hazard information	Not applicable.
2.3 Other hazards	Not applicable.

SECTION 3 COMPOSITION / DATA ON COMPONENTS

3.2 Mixtures

Description Mixture of the substances supplied one after the other with harmless additions.

Dangerous components

<i>Product identifier</i>	<i>Chemical name</i>	<i>Classification</i>	<i>Concentration</i>
CAS No. 1310-58-3 EC No. 215-181-3	Potassium Hydroxide (KOH)	 Skin corrosion 1B, H314	< 5%

SECTION 4 FIRST AID MEASURES

4.1 Description of first aid measures

General information	No special measures required.
After inhalation	In case of unconsciousness bring patient into stable side position for transport.
After skin contact	Takoj izpirajte z veliko količino vode. In case of persistent symptoms consult doctor. Poiščite zdravniško pomoč/oskrbo če ne preneha.
After eye contact	Rinse opened eye for several minutes under running water. In case of persistent symptoms consult doctor.
After swallowing	Drink copious amounts of water and supply fresh air. Seek medical treatment immediately. Do not promote vomiting.

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 media appropriate for surrounding materials.

5.2 Special hazards arising from the substance or mixture No further relevant information available

5.3 Advice for firefighters

Protective equipment: 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.

6.3 Methods and material for containment and cleaning up Absorb with liquid binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation.

6.4 Reference to other sections
Information conc. safe use - see sec. 7
Information conc. personal protection - see sec. 8
Information conc. salvage - see sec. 13

SECTION 7 HANDLING AND STORAGE

7.1 Precautions for safe handling Avoid contact with the eyes and skin.

Information about protection against explosions and fires No special requirements.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by store rooms and containers Keep only in original container. Store in a dry place. Keep container closed when not in use.
Incompatible products: Strong acids, aluminium
Incompatible materials: Sources of ignition. Direct sunlight.

Information about storage in one common storage facility No special requirements.

Further information about storage conditions Recommended storage temperature see product label.

7.3 Specific end use(s) Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Additional information about design of technical systems: No further data; see Section 7.

Components with critical 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.

8.2 Exposure control

Personal protective equipment

General protective and hygienic measures Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin.

Respiratory Protection Not necessary if room is well-ventilated.

Protection of hands Protective gloves must be worn with the CE-label including the four control digits. The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374.

	<i>full contact:</i>	<i>splash contact:</i>
Glove material	Nitrile rubber	Nitrile rubber
Glove thickness	0,11 mm	0,11 mm
Break through time	480 min	480 min

Eye protection Tightly sealed safety glasses.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Form	Liquid.
Colour	Very pale yellow.
Odeur	Faint odour
Odeur threshold	Not determined.
pH-value at 20°C	> 13 (concentrate)
Melting point/freezing point	-5.6°C
Boiling temperature	100.8°C
Flash point	Not applicable.
Evaporation rate	0.34 (butyl acetate = 1).
Flammability (solid, gas)	Not applicable.
Vapour pressure	23 hPa (20°C)

Density at 20°C:	1.117 g/cm ³ @ 25°C
Relative density	Not determined.
Vapour density	Not determined.
Solubility in water	Fully miscible.
Partition coefficient: n-octanol/water	Not determined.
Auto-ignition temperature	Not applicable.
Decomposition temperature	No data available
Explosive properties	Not applicable.
Oxidizing properties:	No data available
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	No decomposition if used according to specifications.
10.3 Possibility of hazardous reactions	May react violently with strong acids.
10.4 Conditions to avoid	No further relevant information available
10.5 Incompatible materials	Will tend to corrode non-ferrous metals, notably aluminium and zinc.
10.6 Hazardous decomposition products	May produce hydrogen in contact with aluminium.

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	No further relevant information available
Relevant LD/LC50 values	No further relevant information available
Skin corrosion/irritation	Irritant for skin and mucous membranes.
Serious eye damage/eye irritation	Irritant effect.
Respiratory or skin sensitisation	No further relevant information available
Germ cell mutagenicity	No data available
Carcinogenicity	No data available
Reproductive toxicity	No data available
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration hazard	No data available

SECTION 12 ECOLOGICAL INFORMATION

12. 1 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
12. 5 Results of PBT and vPvB assessment	No further relevant information available
12. 6 Other adverse effects	No further relevant information available
General notes:	Product is biodegradable.

SECTION 13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Recommendation Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

Un-cleaned packaging

Recommendation Disposal must be made according to official regulations.

Recommended cleaning agent Water, if necessary with cleaning agent.

SECTION 14 TRANSPORT INFORMATION

14.1 UN number	Not applicable.
ADR, ADN, IMDG, IATA	Not applicable.
14.2 UN proper shipping name	Not applicable.
ADR, ADN, IMDG, IATA	Not applicable.
14.3 Transport hazard class(es)	Not applicable.
ADR, ADN, IMDG, IATA	Not applicable.
14.4 Packing group	Not applicable.
ADR, IMDG, IATA	Not applicable.
14.5 Environmental hazards	Not applicable.
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"	Not applicable.

SECTION 15 REGULATORY INFORMATION

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

Designation according to EC guidelines: The product has been classified and labelled in accordance with the applicable EC directives and ordinances.
This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII) Regulation (EC) No 1907/2006 (REACH).

National regulations

Water hazard class Not applicable.

15.2 Chemical safety assessment A chemical safety assessment has not been carried out

SECTION 16 OTHER INFORMATION

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.