

Safety Data Sheet

According to Regulation (EU) No. 1907/2006 (REACH) and Regulation (EU) No. 453/2010

Product Name: Hemoref concentre

Version: 01

Date: June 4, 2020

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

1.1. Identification of the substance or preparation

Hemoref concentre

The reagent is part of the following catalogue numbers:

3MSR0223

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

General use: Cleaning solution to be diluted (80x) for tubes and photometer.

1.3. Details of the supplier of the safety data sheet

Manufacturer:

Dialab Produktion und Vertrieb von chemisch-technischen Produkten und Laborinstrumenten Gesellschaft m.b.H

Address: Hondastrasse, Objekt M55, IZ-NOE Sued, A-2351 Wr. Neudorf, Austria

Telephone / E-mail: +43 (0)2236 660910-0 / office@dialab.at

1.4. Emergency telephone number

Vienna General Hospital, Toxication Centre, phone: +43-(0)1-4064343

2. Hazards identification

2.1. Classification of the substance or mixture:

Classification according to Directive 1272/2008/EC:



GHS05

Skin Corr. 1B H314 Causes severe skin burns and eye damage

Eye Dam. 1 H318 Causes serious eye damage.



GHS07

STOT SE 3 H335 May cause respiratory irritation.

2.2. Label elements:

Labelling (1272/2008/EC):

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS05 GHS07

Signal word: danger

Hazard-determining components of labelling: disodium metasilicate

Hazard statements

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

Precautionary statements

P260

Do not breathe dusts or mists.

P264

Wash hands thoroughly after handling.

P280

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

P301+P330+P331

IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353

IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/shower.

P304+P340

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes.

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

P310

Immediately call a POISON CENTER/doctor.

Safety Data Sheet

According to Regulation (EU) No. 1907/2006 (REACH) and Regulation (EU) No. 453/2010



Product Name: Hemoref concentrate

Version: 01

Date: June 4, 2020

P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3. Other hazards

No further relevant information available.

3. Composition / information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

Description: Mixture: consisting of the following components.

Dangerous components:		
CAS: 6834-92-0	Disodium metasilicate	10-25%
EINECS: 229-912-9	☠ Skin Corr. 1B, H314; ⚠ STOT SE 3, H335	
Index number: 014-010-00-8		

SVHC No

3.3. 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:

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

Classification according to Regulation (EC) No 1272/2008

Skin corrosion/irritation Serious eye damage/eye irritation Specific target organ toxicity (single exposure)	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.
--	--

Abbreviations and acronyms:

ADR: 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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

4. First aid measures

4.1. Description of first aid measures

General information: Immediately remove any clothing soiled by the product.

After excessive inhalation: In case of unconsciousness place patient in a stable laying down side position for transportation.

After skin contact: Immediately wash with water and soap and rinse thoroughly.

After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

Safety Data Sheet

According to Regulation (EU) No. 1907/2006 (REACH) and Regulation (EU) No. 453/2010



Product Name: Hemoref concentre

Version: 01

Date: June 4, 2020

After swallowing: Do not induce vomiting; call for medical help immediately. Drink plenty of water and provide fresh air. Call for a doctor immediately.

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.

5. Firefighting measures

5.1. Extinguishing media

Use fire extinguishing methods suitable to surrounding conditions.

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.

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 the product to enter sewers/ surface water or ground water.

6.3. Methods and material for containment and cleaning up

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

Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

7. Handling and storage

7.1. Precautions for safe handling

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:

Protect from frost.

Keep container tightly sealed.

8. Exposure controls/personal protection

8.1. Control parameters

Ingredients with limit values that require monitoring at the workplace:

The product does not contain any significant quantities of materials with critical values that have to be monitored at the workplace.

Additional information:

The most current valid lists have been used as a basis for the production of this document.

8.2. Exposure controls

Appropriate engineering controls:

No further relevant information available

Safety Data Sheet

According to Regulation (EU) No. 1907/2006 (REACH) and Regulation (EU) No. 453/2010

Product Name: Hemoref concentrate

Version: 01

Date: June 4, 2020

Personal protective equipment:

General protective and hygienic measures:

Keep away from food, beverages and petfood. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid all contact with the eyes. Avoid contact with the eyes and skin.

Respiratory protection: Not required.

Protection of hands:



Protective gloves. Gloves material: Butyl rubber, BR

Eye protection:



Tightly sealed goggles

Environmental exposure controls:

No further relevant information available.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties:

General Information	
Appearance:	
Form:	Liquid
Colour:	Whitish
Odour:	Odourless
Odour threshold:	Not determined.
pH-value:	Not determined.
Change in condition	
Melting point/freezing point:	0 °C
Initial boiling point and boiling range:	100 °C
Flash point:	Not applicable.
Flammability (solid, gas):	Not applicable.
Ignition temperature:	Not applicable.
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Product is not self igniting.
Explosive properties:	Product does not present an explosion hazard.
Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
Vapour pressure at 20 °C:	23 hPa
Density:	Not determined.
Relative density :	Not determined.
Vapour density :	Not determined.
Evaporation rate :	Not determined.
Solubility in / Miscibility with water:	Fully miscible.
Segregation coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
Solvent content:	
COV :	0 %

Safety Data Sheet

According to Regulation (EU) No. 1907/2006 (REACH) and Regulation (EU) No. 453/2010



Product Name: Hemoref concentrate

Version: 01

Date: June 4, 2020

9.2. Other information

No further relevant information available.

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

No dangerous reactions known.

10.4. Conditions to avoid

No dangerous reactions known.

10.5. Incompatible materials

No dangerous reactions known.

10.6. Hazardous decomposition products

No dangerous decomposition products known.

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:		
CAS: 6834-92-0 disodium metasilicate		
Oral	LD50	1,280 mg/kg (rat)

Primary irritant effect:

On the skin: Causes severe skin burns and eye damage.

On the eyes: Causes serious eye damage.

Respiratory or skin sensitization: Based on available data, the classification criteria are not met.

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: May cause respiratory irritation.

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.

11.2. Further information

No further relevant information available.

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

Safety Data Sheet

According to Regulation (EU) No. 1907/2006 (REACH) and Regulation (EU) No. 453/2010

Product Name: Hemoref concentrate

Version: 01

Date: June 4, 2020

No further relevant information available.

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.

Must not reach sewage water or drainage ditch undiluted or unneutralised.

12.5. Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

12.6. Other adverse effects

No further relevant information available.

12.7. Other information

No further relevant information available.

13. Disposal considerations

13.1. Waste treatment methods

Recommendation :



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

European waste catalogue	
HP 5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP 8	Corrosive

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

14. Transport information

14.1. UN number

ADR, IMDG, IATA: UN1903

14.2. UN proper shipping name

ADR: UN1903 DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (DISODIUM TRIOXOSILICATE)

IMDG, IATA: DISINFECTANT, LIQUID, CORROSIVE, N.O. S. (DISODIUM TRIOXOSILICATE)

14.3. Transport hazard class(es)

ADR



Class: 8 (C9) Corrosive substances.

Label 8

14.4. Packing group

ADR, IMDG, IATA: III

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Warning: Corrosive substances.

Danger code (Kemler): 80

Safety Data Sheet

According to Regulation (EU) No. 1907/2006 (REACH) and Regulation (EU) No. 453/2010



Product Name: Hemoref concentrate

Version: 01

Date: June 4, 2020

EMS Number: F-A, S-B
Segregation groups: Alkalis
Stowage Category: A

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Marpol and the IBC Code: Not applicable.

Transport/Additional information:

ADR

Limited quantities (LQ): 5L

Excepted quantities (EQ): Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

Transport category: 3

Tunnel restriction code: E

IMDG

Limited quantities (LQ): 5L

Excepted quantities (EQ): Code: E1

Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml

UN "Model Regulation": UN 1903 DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (DISODIUM TRIOXOSILICATE), 8, III

15. Regulatory information

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

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out.

16. Other information

Reason of Change:

Not applicable.

Contact person: see section 1.3

Dialab GmbH provides the information in this data sheet in good faith, declaring it is up to date at time of revision. However, this document is intended only as a guide for professional use, according to the intended purposes of the product. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

The product is for use only by trained personnel.