

SAFETY DATA SHEET

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

Revision date: 23-Sep-2016

Print date: 11-Jan-2017

Version: 2 modifiziert

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Powering Business Worldwide

SIHA SulfoLiq K15

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name/designation:

SIHA SulfoLiq K15

Article No.:

64102/HW019

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

Use of the substance/mixture:

Product for Wine treatment

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Eaton Technologies GmbH

Langenlonsheim Branch

An den Nahewiesen 24

55450 Langenlonsheim

Germany

Telephone: +49 6704 204-0 (Diese Nummer ist nur zu Bürozeiten besetzt.)

Telefax: +49 6704 204-121

E-mail: SDB@Eaton.com

Website: www.eaton.com/filtration

1.4. Emergency telephone number

Notfallauskunft bei Vergiftungen: Giftinformationszentrum Mainz (Deutsch und Englisch). Emergency medical information: Poison information center Mainz (German and English)., 24h: +49 6131 19240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

No data available

2.2. Label elements

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

Hazard pictograms:



GHS07

Exclamation mark.

Signal word: Warning

hazard statements for health hazards

H319 Causes serious eye irritation.

Supplemental Hazard information (EU)

EUH031 Contact with acids liberates toxic gas.

Precautionary statements Prevention

P264.1 Wash hands thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

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

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Precautionary statements Response

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

No data available

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CL P]	Concentration
CAS No.: 7773-03-7 EC No.: 231-870-1	potassium hydrogen sulphite  Warning H318-H335	30 - 40 %

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

SECTION 4: First aid measures

4.1. Description of first aid measures

Following inhalation:

Remove casualty to fresh air and keep warm and at rest. Consult a doctor immediately in the case of inhaling spray mist and show him packing or label.

In case of skin contact:

Take off contaminated clothing.

Rinse immediately contaminated clothing and skin with plenty of water before removing clothes. After contact with skin, wash immediately with plenty of water and soap.

After eye contact:

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Protect uninjured eye.

After ingestion:

Induce vomiting when the affected person is not unconscious. IF SWALLOWED: Immediately call a POISON CENTER/doctor/....

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

No data available

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water, Carbon dioxide (CO2)

5.2. Special hazards arising from the substance or mixture

In case of fire and/or explosion do not breathe fumes.

5.3. Advice for firefighters

Use suitable breathing apparatus.

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Move undamaged containers from immediate hazard area if it can be done safely.

5.4. Additional information

No data available

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Use personal protection equipment.

Protective equipment:

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

Use appropriate respiratory protection.

Provide adequate ventilation.

6.1.2. For emergency responders

No data available

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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 containment:

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

For cleaning up:

Wash with plenty of water.

6.4. Reference to other sections

No data available

6.5. Additional information

No data available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Avoid contact with eyes and skin. Do not breathe dust/fume/gas/mist/vapours/spray.

If handled uncovered, arrangements with local exhaust ventilation have to be used.

Keep only in original packaging.

Non-contaminated packages may be recycled.

Contaminated work clothing should not be allowed out of the workplace.

When using do not eat, drink or smoke.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Ensure adequate ventilation of the storage area.

Keep in a cool, well-ventilated place.

Keep container dry.

Hints on storage assembly:

Do not store together with: Acid, Oxidising agent

Further information on storage conditions:

Keep away from food, drink and animal feedingstuffs.

7.3. Specific end use(s)

No data available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
TRGS 900 (DE)	sulphur dioxide CAS No.: 7446-09-5	① 1 ppm (2.5 mg/m ³) ② 1 ppm (2.5 mg/m ³)

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

No data available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

No data available

8.2.2. Personal protection equipment

Eye/face protection:

Eye glasses with side protection

Skin protection:

The glove material has to be impermeable and resistant to the product/the substance/the preparation. Due to missing tests no recommendation to the glove material can be given for the product/the preparation/the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Respiratory protection:

Use suitable breathing apparatus. DIN EN 141

8.2.3. Environmental exposure controls

No data available

8.3. Additional information

No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: liquid

Colour: not determined

Odour: Sulphur dioxide (SO₂)

Safety relevant basis data

parameter		at °C	Method	Remark
pH	3.5 - 5	20 °C		5 %
Melting point	> 150 °C			
Freezing point	not determined			
Initial boiling point and boiling range	not determined			
Decomposition temperature (°C):	not determined			
Flash point	not determined			
Evaporation rate	not determined			
Ignition temperature in °C	not determined			

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parameter		at °C	Method	Remark
Upper/lower flammability or explosive limits	<i>not determined</i>			
Vapour pressure	<i>not determined</i>			
Vapour density	<i>not determined</i>			
Density	1.18 - 1.26 kg/l			
Bulk density	<i>not determined</i>			
Water solubility (g/L)	<i>not determined</i>			
Partition coefficient: n-octanol/ water	-3.7			
Dynamic viscosity	<i>not determined</i>			
Kinematic viscosity	<i>not determined</i>			

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

Substance is, under normal conditions, chemically stable.

10.2. Chemical stability

Substance is, under normal conditions, chemically stable.

10.3. Possibility of hazardous reactions

not known.

10.4. Conditions to avoid

Substance is, under normal conditions, chemically stable.

10.5. Incompatible materials

Acid, Oxidising agent

10.6. Hazardous decomposition products

Pyrolysis products, toxic

Gases/vapours, harmful

Gases/vapours, irritant

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity:

not applicable

Acute dermal toxicity:

not applicable

Acute inhalation toxicity:

not applicable

Skin corrosion/irritation:

irritant.

Eye damage/irritation:

Causes eye irritation.

Respiratory or skin sensitisation:

not applicable

Germ cell mutagenicity:

not applicable

Carcinogenicity:

not applicable

Reproductive toxicity:

not applicable

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SECTION 12: Ecological information

12.1. Toxicity

Aquatic toxicity:

Data apply to the main component.

Acute (short-term) fish toxicity:

LC50: 460 - 1000 mg/l / 96h

EC50: 65 mg/l / 17h

12.2. Persistence and degradability

No data available

12.3. Bioaccumulative potential

Bioconcentration factor (BCF):

not applicable

Partition coefficient: n-octanol/water:

-3.7

12.4. Mobility in soil

not applicable

12.5. Results of PBT and vPvB assessment

CAS No.	Substance name	Results of PBT and vPvB assessment
7773-03-7	potassium hydrogen sulphite	—

12.6. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

The disposal of the product has to be carried out in accordance with the legal requirements. EWC waste codes are strictly industry-oriented, therefore waste classification has to be done by the waste producer.

Waste treatment options

Appropriate disposal / Package:

Contaminated packages must be completely emptied and can be re-used following proper cleaning.

13.2. Additional information

No data available

SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

14.1. UN-No.

not relevant

14.2. UN proper shipping name

not relevant

14.3. Transport hazard class(es)

not relevant

14.4. Packing group

not relevant

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

not relevant

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

not relevant

SECTION 15: Regulatory information

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

15.1.1. EU legislation

No data available

15.1.2. National regulations

[DE] National regulations

Water hazard class (WGK)

WGK:

1 - schwach wassergefährdend

15.2. Chemical Safety Assessment

No data available

15.3. Additional information

No data available

SECTION 16: Other information

16.1. Indication of changes

SECTION 3: Composition / information on ingredients

16.2. Abbreviations and acronyms

No data available

16.3. Key literature references and sources for data

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.

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

No data available

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements

H318	Causes serious eye damage.
H335	May cause respiratory irritation.

16.6. Training advice

No data available

16.7. Additional information

No data available