

Page 1/6

# Material Safety Data Sheet According to 91/155 EEC

Reviewed on 24.02.2005

### 1 Identification of substance:

· Product details: Reagent for water analysis

· Product name: Silica HR Set (Vario Silica HR Acid RGT F10)

· Catalog number: 251 412 Model: Si-2 TP (HR)

· Supplier:

WTW Wissenschaftlich-Technische Werkstätten GmbH

Dr.-Karl-Slevogt-Straße 1

D-82362 Weilheim Tel.: +49(0)881 183-0 Internet: http://www.WTW.com Fax: +49(0)881 183-420 Tel.: +49(0)881 183-100 E-Mail: Info@WTW.com

· Emergency information:

Poison Center Berlin, Germany

Tel.: +49(0)30 19240

### 2 Composition/Data on components:

· **Description:** Mixture of the substances listed below with harmless additions.

· Dangerous components:

CAS: 7681-38-1 sodium hydrogensulphate

EINECS: 231-665-7

EC Number: 016-046-00-X

Sodium hydrogensulphate

Xi; R 41 90-100%

• Additional information For the wording of the listed risk phrases refer to section 16.

### \* 3 Hazards identification

· Hazard designation:



Xi Irritant

#### · Information pertaining to particular dangers for man and environment

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 41 Risk of serious damage to eyes.

· Classification system

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

### 4 First aid measures

- · General information Instantly remove any clothing soiled by the product.
- · After inhalation Supply fresh air; consult doctor in case of symptoms.
- · After skin contact Instantly wash with water and soap and rinse thoroughly.
- · After eye contact

Rinse opened eye for several minutes under running water.

Call a doctor immediately.

(Contd. on page 2)

Reviewed on 24.02.2005

Product name: Silica HR Set (Vario Silica HR Acid RGT F10)

(Contd. of page 1)

· After swallowing

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; instantly call for medical help.

· The following symptoms may occur:

after swallowing:

irritation

diarrhoea

after inhalation:

coughing

mucous membrane irritation

breathing difficulty

### \* 5 Fire fighting measures

· Suitable extinguishing agents

Use fire fighting measures that suit the environment.

CO2, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

· Special hazards caused by the material, its products of combustion or resulting gases:

Formation of toxic gases is possible during heating or in case of fire.

Sulphur oxides (SOx)

· Protective equipment:

Wear full protective suit.

Wear self-contained breathing apparatus.

· Additional information

Ambient fire may liberate hazardous vapours.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Collect contaminated fire fighting water separately. It must not enter drains.

#### \* 6 Accidental release measures

· Person-related safety precautions:

Wear protective equipment. Keep unprotected persons away.

Avoid causing dust.

- · Measures for environmental protection: Do not allow product to reach sewage system or water bodies.
- · Measures for cleaning/collecting:

Collect mechanically.

Ensure adequate ventilation.

Dispose of contaminated material as waste according to item 13.

### <sup>\*</sup> 7 Handling and storage

- · Handling
- · Information for safe handling:

Prevent formation of dust.

Ensure good ventilation/exhaustion at the workplace.

- · Information about protection against explosions and fires: The product is not flammable
- ·Storage
- · Requirements to be met by storerooms and containers: Store in cool location.
- · Information about storage in one common storage facility: Store away from metals.
- · Further information about storage conditions:

Store under dry conditions.

Protect from humidity and keep away from water.

Protect from the effects of light.

(Contd. on page 3)

Reviewed on 24.02.2005

Product name: Silica HR Set (Vario Silica HR Acid RGT F10)

(Contd. of page 2)

· Storage class Not required.

### 8 Exposure controls and personal protection

- · Additional information about design of technical systems: No further data; see item 7.
- · Components with limit 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.

- · Additional information: The lists that were valid during the compilation were used as basis.
- · Personal protective equipment
- · General protective and hygienic measures

Take off immediately all contaminated clothing

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes.

- · Breathing equipment: Use breathing protection against the effects of fumes/dust/aerosol.
- · Recommended filter device for short term use: Filter P2
- · Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

After use of gloves apply skin-cleaning agents and skin cosmetics.

· Material of gloves

Nitrile

nitrile rubber, NBR

Recommended thickness of the material:  $\geq 0.11$  mm

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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Value for the permeation: Level  $\geq 6$  (480 min)

- · Eye protection: Tightly sealed safety glasses.
- · **Body protection:** Protective work clothing.

ĸ	0 Dhygiaa	and a	2022100	nronerties

· Form: · Colour: · Odour:	Powder White Odourless
· Melting point/Melting range: · Boiling point/Boiling range:	Not determined Not determined
· Flash point:	Not applicable
· Self-inflammability:	Product is not selfigniting.
· Danger of explosion:	Product is not explosive.
· Density at 20°C	$\sim 2.9 \text{ g/cm}^3$
· Solubility in / Miscibility with Water:	Soluble
· pH-value (20.5 g/l) at 20°C:	1.3
· Solvent content: Organic solvents:	0.0 %

(Contd. on page 4)

Reviewed on 24.02.2005

Product name: Silica HR Set (Vario Silica HR Acid RGT F10)

(Contd. of page 3)

· Solids content:

100.0 %

## \*10 Stability and reactivity

- Thermal decomposition / conditions to be avoided: To avoid thermal decomposition do not overheat.
- · Materials to be avoided:

alkalis

metals

alcohols

· Dangerous reactions

Reacts with alcohols

Forms hydrogen in aqueous solution with metals

Liberates acid in contact with water or alcohol.

· Dangerous products of decomposition: see chapter 5

### \*11 Toxicological information

- · Acute toxicity: Quantitative data on the toxicity of the preparation are not available.
- · LD/LC50 values that are relevant for classification:

#### 7681-38-1 sodium hydrogensulphate

Oral LD50 2490 mg/kg (rat)

- · Primary irritant effect:
- · on the skin: Irritant to skin and mucous membranes.
- · on the eye: Strong irritant with the danger of severe eye injury.
- · Sensitization: No sensitizing effect known.
- · Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:

Irritant

## \*12 Ecological information:

- · Information about elimination (persistence and degradability):
- · Other information:

Quantitative data on the ecological effect of this product are not available.

Does not cause biolocigal oxygen deficit.

- · Ecotoxical effects:
- · Acquatic toxicity:

#### 7681-38-1 sodium hydrogensulphate

EC50 190 mg/l/48h (Daphnia magna)

· Remark:

Forms corrosive mixtures with water even if diluted.

lethal for fish:

sulphates > 7 g/l

- · Bacterial toxicity: Sulphates toxic > 2.5 g/l
- · 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 bodies or sewage system.

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

(Contd. on page 5)

Reviewed on 24.02.2005

Product name: Silica HR Set (Vario Silica HR Acid RGT F10)

(Contd. of page 4)

Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

### 13 Disposal considerations

- · Recommendation Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- · European waste catalogue

16 05 07 discarded inorganic chemicals consisting of or containing dangerous substances

- · Uncleaned packagings:
- **Recommendation:** Disposal must be made according to official regulations.
- · Recommended cleaning agent: Water, if necessary with cleaning agent.

14 Transport information		
· ADR/GGVSE:	UN 3316 CHEMIE-TESTSATZ, 9, II	
· IMDG/GGVSee: · EMS-Number:	UN 3316 CHEMICAL KIT, 9, II F-A S-P	
· ICAO/IATA:	CHEMICAL KIT, 9, UN 3316, II	

Reviewed on 24.02.2005

Product name: Silica HR Set (Vario Silica HR Acid RGT F10)

(Contd. of page 5)

### \*15 Regulatory information

#### · Designation according to EC guidelines:

The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)

#### · Code letter and hazard designation of product:

Xi Irritant

#### · Risk phrases:

41 Risk of serious damage to eyes.

### · Safety phrases:

- 24 Avoid contact with skin.
- 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 39 Wear eye/face protection.
- 60 This material and its container must be disposed of as hazardous waste.

### <sup>1</sup>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.

#### · Relevant R-phrases

- 41 Risk of serious damage to eyes.
- · Department issuing data specification sheet: Department TSS, Dr. Manfred Kaul
- · Data compared to the previous version altered.

GB



Page 1/5

# Material Safety Data Sheet According to 91/155 EEC

Reviewed on 21.02.2005

### 1 Identification of substance:

· Product details: Reagent for water analysis

· Product name: Silica HR Set (Vario Silica Citric Acid F10)

· Catalog number: 251 412 Model: Si-2 TP (HR)

· Supplier:

WTW Wissenschaftlich-Technische Werkstätten GmbH

Dr.-Karl-Slevogt-Straße 1

D-82362 Weilheim Tel.: +49(0)881 183-0 Internet: hppt://www.WTW.com Fax: +49(0)881 183-420 Tel.: +49(0)881 183-100 E-Mail: Info@WTW.com

· Emergency information:

Poison Center Berlin, Germany

Tel.: +49(0)30 19240

### 2 Composition/Data on components:

- · Chemical characterization:
- · CAS No. Designation:

77-92-9 citric acid

- · Identification number(s):
- · EINECS Number: 201-069-1

### 3 Hazards identification

· Hazard designation:



Xi Irritant

• Information pertaining to particular dangers for man and environment R 36 Irritating to eyes.

### 4 First aid measures

- · After inhalation Supply fresh air and call for doctor for safety reasons.
- · After skin contact Instantly wash with water and soap and rinse thoroughly.
- · After eye contact

Rinse opened eye for several minutes under running water.

Call a doctor immediately.

· After swallowing

Drink copious amounts of water, induce vomiting.

Seek medical treatment.

· The following symptoms may occur:

after swallowing:

sickness

diarrhoea

mucous membrane irritation

(Contd. on page 2)

Reviewed on 21.02.2005

Product name: Silica HR Set (Vario Silica Citric Acid F10)

(Contd. of page 1)

cramps

### 5 Fire fighting measures

· Suitable extinguishing agents

Water

Foam

Fire-extinguishing powder

· Special hazards caused by the material, its products of combustion or resulting gases:

Formation of toxic gases is possible during heating or in case of fire.

combustible

· Protective equipment:

Wear self-contained breathing apparatus.

Wear full protective suit.

· Additional information

Ambient fire may liberate hazardous vapours.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Collect contaminated fire fighting water separately. It must not enter drains.

#### 6 Accidental release measures

· Person-related safety precautions:

Wear protective equipment. Keep unprotected persons away.

Avoid causing dust.

- · Measures for environmental protection: Do not allow product to reach sewage system or water bodies.
- · Measures for cleaning/collecting:

Ensure adequate ventilation.

Collect mechanically.

Dispose of contaminated material as waste according to item 13.

### <sup>\*</sup> 7 Handling and storage

- · Handling
- · Information for safe handling: No special measures required.
- $\cdot \ \textbf{Information about protection against explosions and fires:} \ Protect \ from \ heat.$
- · Storage
- · Requirements to be met by storerooms and containers: Store in cool location.
- · Information about storage in one common storage facility: Store away from metals.
- · Further information about storage conditions:

Keep container tightly sealed.

Store under dry conditions.

Protect from humidity and keep away from water.

Protect from the effects of light.

· Storage class Not required.

### 8 Exposure controls and personal protection

- · Additional information about design of technical systems: No further data; see item 7.
- · Components with limit values that require monitoring at the workplace: Not required.
- · Additional information: The lists that were valid during the compilation were used as basis.
- · Personal protective equipment
- · General protective and hygienic measures

Keep away from foodstuffs, beverages and food.

(Contd. on page 3)

Reviewed on 21.02.2005

Product name: Silica HR Set (Vario Silica Citric Acid F10

(Contd. of page 2)

Take off immediately all contaminated clothing

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

- · Breathing equipment: Use breathing protection against the effects of fumes/dust/aerosol.
- · Recommended filter device for short term use: Filter P2
- · Protection of hands:

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

After use of gloves apply skin-cleaning agents and skin cosmetics.

· Material of gloves

nitrile rubber, NBR

Nitrile

Recommended thickness of the material:  $\geq 0.11$  mm

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.

#### · Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Value for the permeation: Level  $\geq 6$  (480 min)

- · Eve protection: Tightly sealed safety glasses.
- · **Body protection:** Protective work clothing.

### 9 Physical and chemical properties:

71 hysical and enclinear properties.		
· Form: · Colour: · Odour:	Powder White Odourless	
· Melting point/Melting range: · Boiling point/Boiling range:	153°C Not determined	
· Flash point:	Not applicable	
· Inflammability (solid, gaseous) · Ignition temperature:	Product is not inflammable. 345°C	
· Danger of explosion:	Product is not explosive.	
· Vapour pressure at 20°C:	< 0.1 hPa	
· Density at 20°C	1.665 g/cm <sup>3</sup>	
· Settled apparent density at 20°C	C 560 kg/m³	
· Solubility in / Miscibility with Water at 20°C:	1330 g/l	
· pH-value (7.93 g/l) at 20°C: · Organic solvents:	2.2 0.0 %	
· Solids content:	100.0 %	

# \*10 Stability and reactivity

- · Thermal decomposition / conditions to be avoided: To avoid thermal decomposition do not overheat.
- · Materials to be avoided:

oxidizing agents

alkalis

metals

reducing agents

· Dangerous reactions Risk of dust explosion if enriched with fine dust in presence of air

(Contd. on page 4)

Reviewed on 21.02.2005

Product name: Silica HR Set (Vario Silica Citric Acid F10)

(Contd. of page 3)

· Dangerous products of decomposition: see chapter 5

### \*11 Toxicological information

· Acute toxicity:

· LD/LC50 values that are relevant for classification:

77-92-9 citric acid

Oral LD50 3000 mg/kg (rat)

- · Primary irritant effect:
- · on the skin: Irritant to skin and mucous membranes.
- · on the eve: Irritant effect.
- · Sensitization: No sensitizing effect known.

### \*12 Ecological information:

- · Information about elimination (persistence and degradability):
- · Other information:

The product is easily biodegradable. CAS: 77-92-9 Citric acid: 98% / 2 d

· Behaviour in environmental systems:

77-92-9 citric acid

log P(o/w) -1.72 (20°C) (.)

- · Mobility and bioaccumulation potential: Does not accumulate in organisms
- · Ecotoxical effects:
- · Acquatic toxicity:

77-92-9 citric acid

Daphnia EC50 ~ 120 mg/l/72 h (Daphnia magna) LC50 440-760 mg/l/96h (Leuciscus idus)

Additional ecological information:

· CSB-value:

77-92-9 citric acid

COD 0.728 g/g (.)

· BSB5-value:

77-92-9 citric acid

BSB5 0.526 g/g (.)

· General notes:

Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

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

Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

### \*13 Disposal considerations

- · Product:
- · Recommendation Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- · European waste catalogue

16 05 08 discarded organic chemicals consisting of or containing dangerous substances

(Contd. on page 5)

Reviewed on 21.02.2005

Product name: Silica HR Set (Vario Silica Citric Acid F10)

(Contd. of page 4)

- · Uncleaned packagings:
- · Recommendation: Disposal must be made according to official regulations.
- · Recommended cleaning agent: Water, if necessary with cleaning agent.

### $^st$ 14 Transport information

- · ADR/GGVSE:
- . IMDG/GGVSEE:
- · EMS-Number:
- · ICAO/IATA:
- · Transport/Additional information: Not dangerous according to the above specifications.

### \* 15 Regulatory information

· Designation according to EC guidelines:

The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)

· Code letter and hazard designation of product:

Xi Irritant

· Risk phrases:

36 Irritating to eyes.

· Safety phrases:

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

### \* 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.

- · Department issuing data specification sheet: Department TSS, Dr. Manfred Kaul
- · Data compared to the previous version altered.

GB



Page 1/5

# Material Safety Data Sheet According to 91/155 EEC

Reviewed on 15.02.2006

### 1 Identification of substance:

· Product details: Reagent for water analysis

Product name: Silica HR Set (Silica HR Molybdate)

· Catalog number: 251 412-3 Model: Si-2 TP (HR)

· Supplier:

WTW Wissenschaftlich-Technische Werkstätten GmbH

Dr.-Karl-Slevogt-Straße 1

D-82362 Weilheim Tel.: +49(0)881 183-0 Internet: http://www.WTW.com Fax: +49(0)881 183-420 Tel.: +49(0)881 183-100 E-Mail: Info@WTW.com

· Emergency information: Poison Center Berlin, Germany

phone: +49(0)30 19240

### 2 Composition/Data on components:

- · Chemical characterization:
- · CAS No. Designation:
- 10102-40-6 sodium molybdate
- · Identification number(s):
- · EINECS Number: 231-551-7

### 3 Hazards identification

- · Hazard designation: void
- · Information pertaining to particular dangers for man and environment void

### **4 First aid measures**

- · General information Instantly remove any clothing soiled by the product.
- · After inhalation Supply fresh air.
- · After skin contact Instantly wash with water and soap and rinse thoroughly.
- · After eye contact Rinse opened eye for several minutes under running water.
- · After swallowing

Drink copious amounts of water, induce vomiting.

In case of persistent symptoms consult doctor.

- · Information for doctor
- · The following symptoms may occur:

after inhalation:

coughing

mucous membrane irritation

after swallowing:

sickness

diarrhoea

vomiting

general feeling of sickness

(Contd. on page 2)

Reviewed on 15.02.2006

Product name: Silica HR Set (Silica HR Molybdate)

(Contd. of page 1)

drop in blood pressure

# \* 5 Fire fighting measures

- · Suitable extinguishing agents Use fire fighting measures that suit the environment.
- · Protective equipment:

Wear self-contained breathing apparatus.

Wear full protective suit.

· Additional information

Ambient fire may liberate hazardous vapours.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Collect contaminated fire fighting water separately. It must not enter drains.

#### 6 Accidental release measures

· Person-related safety precautions:

Wear protective equipment. Keep unprotected persons away.

Avoid causing dust.

- Measures for environmental protection: Do not allow product to reach sewage system or water bodies.
- · Measures for cleaning/collecting:

Collect mechanically.

Ensure adequate ventilation.

Dispose of contaminated material as waste according to item 13.

· Additional information: No dangerous materials are released.

#### \* 7 Handling and storage

- · Handling
- · Information for safe handling: Thorough dedusting.
- · Information about protection against explosions and fires: The product is not flammable
- ·Storage
- · Requirements to be met by storerooms and containers: Store in cool location.
- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions:

Store under dry conditions.

Protect from humidity and keep away from water.

Protect from the effects of light.

### 8 Exposure controls and personal protection

· Components with limit 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.

- · Additional information: The lists that were valid during the compilation were used as basis.
- · Personal protective equipment
- · General protective and hygienic measures

The usual precautionary measures should be adhered to general rules for handling chemicals.

- · Breathing equipment: Use breathing protection against the effects of fumes/dust/aerosol.
- · Recommended filter device for short term use: Filter P1
- · Protection of hands:

Preventive skin protection by use of skin-protecting agents is recommended.

No chemical-protective gloves required.

· Eye protection: Safety glasses

(Contd. on page 3)

Reviewed on 15.02.2006

Product name: Silica HR Set (Silica HR Molybdate)

· Body protection: Protective work clothing.

(Contd. of page 2)

### 9 Physical and chemical properties:

· Form: · Colour: · Odour:	Powder White Odourless
· Melting point/Melting range: · Boiling point/Boiling range:	690°C Not applicable
· Flash point:	Not applicable
· Inflammability (solid, gaseous)	Product is not inflammable.
· Danger of explosion:	Product is not explosive.
· Density at 20°C	3.6 g/cm <sup>3</sup>
· Settled apparent density at 20°C	$C \sim 1000 \text{ kg/m}^3$
· Solubility in / Miscibility with Water at 20°C:	840 g/l
· pH-value (10.3 g/l) at 20°C: · Organic solvents:	7.2 0.0 %
· Solids content:	100.0 %

### 10 Stability and reactivity

- · Thermal decomposition / conditions to be avoided: To avoid thermal decomposition do not overheat.
- · Dangerous reactions No dangerous reactions known
- · Dangerous products of decomposition: see chapter 5

### <sup>11</sup> Toxicological information

· Acute toxicity:

· LD/LC50 values that are relevant for classification:		
10102-4	10102-40-6 sodium molybdate	
Oral	LD50	4233 mg/kg (rat)
Dermal	LD50	> 2000 mg/kg (rat)

- · Primary irritant effect:
- · on the skin: temporary erythema possible
- · on the eye: Irritant effect.
- · Sensitization: No sensitizing effect known.
- · Experience with humans:

molybdenum(VI):

Can cause liver damages.

Can cause kidney damages.

 $\cdot \ \mathbf{Additional} \ to xicological \ information:$ 

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

The material is not subject to classification according to EC lists in the last version.

(Contd. on page 4)

Reviewed on 15.02.2006

Product name: Silica HR Set (Silica HR Molybdate)

(Contd. of page 3)

The usual precautionary measures should be adhered to general rules for handling chemicals.

### \*12 Ecological information:

- · Information about elimination (persistence and degradability):
- Other information: Methods for the determination of biodegradability are not applicable to inorganic substances.
- · Ecotoxical effects:
- · Acquatic toxicity:

#### 10102-40-6 sodium molybdate

EC50 330 mg/l/48h (Daphnia magna)

LC50 7600 mg/l/96h (Oncorhynchus mykiss)

Remark:

Toxic for fish:

molybdenum compounds in general: > 25 mg/l

- · Algea toxicity: CAS-No. 10102-40-6: Selenastrum capricornutum IC50: > 100 mg/l/72 h
- · Bacterial toxicity: CAS-No. 10102-40-6: Pseudomonas putida EC10: 50 mg/l/18 h
- · General notes:

Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

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

### 13 Disposal considerations

- · Product:
- · Recommendation Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- · European waste catalogue

16 05 09 discarded chemicals other than those mentioned in 16 05 06, 16 05 07 or 16 05 08

- · Uncleaned packagings:
- · Recommendation: Disposal must be made according to official regulations.
- · Recommended cleaning agent: Water, if necessary with cleaning agent.

### 14 Transport information

- · Land transport ADR/RID (cross-border)
- · ADR/RID-GGVS/E Class: -
- · Maritime transport IMDG:
- · IMDG Class:
- · Marine pollutant: No
- · Air transport ICAO-TI and IATA-DGR:
- · ICAO/IATA Class:
- · Transport/Additional information: Not dangerous according to the above specifications.

GB

Reviewed on 15.02.2006

Product name: Silica HR Set (Silica HR Molybdate)

(Contd. of page 4)

### \*15 Regulatory information

· Designation according to EC guidelines:

The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).

### 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.

- · Department issuing data specification sheet: Department TSS, Dr. Manfred Kaul
- · Data compared to the previous version altered.

GB -