

# Safety data sheet

according to Regulation (EC) No. 1907/2006

# Schliessmann Schwäbisch Hall

Date: 02.05.2017

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

### 1.1 Product identifier

Product name: Rebelein-Reagenz „SCHWEFEL 2“ / Rebelein „Sulfur 2“  
Article: 0042  
Chemical name: Methanol  
Registration number: 01-2119433307-44-xxxx

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

Reagent for the analysis of beverages

### 1.3 Details of the supplier of the safety data sheet

Company: C. Schliessmann Kellerei-Chemie GmbH & Co KG  
Auwiesenstr. 5, D-74523 Schwäbisch Hall  
Tel. 0049-(0)791 / 97191 -0, Fax -25  
E-Mail: service@c-schliessmann.de

### 1.4 Emergency telephone number

Poison centre Freiburg: Tel. 0049-(0)761 / 19240

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

Flam. Liq. 2 H225 Highly flammable liquid and vapour.  
Acute Tox. 3 H301 Toxic if swallowed.  
Acute Tox. 3 H311 Toxic in contact with skin.

### 2.2 Label elements according to Regulation (EC) No 1272/2008

Hazard pictograms:



Signal word:

**DANGER**

**Hazardous component:**

methanol

**Hazard statements:** H225 Highly flammable liquid and vapour.  
H301+H311+H331 Toxic if swallowed, in contact with skin or if inhaled  
H370 Causes damage to organs.

**Precautionary statements:** P210 Keep away from heat/sparks/open flames/hot surfaces. — No smoking.  
P261 Avoid breathing dust / fume / gas / mist / vapours / spray.  
P303+P361+P353 IF ON SKIN (or hair): Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing  
P403+P233 Store in a well-ventilated place. Keep container tightly closed.

### 2.3 Other hazards

No informations available

### 3. Composition/information on ingredients

<b>3.1 Substance</b>	Methanol
<b>3.2 Mixtures</b>	The product is a substance.
Dangerous component:	methanol
EC Number:	200-659-6
CAS:	67-56-1
Reg.nr.:	01-2119433307-44-xxxx
Classification:	see section 2

### 4. First aid measures

#### 4.1 Description of first aid measures

After inhalation:	Call a physician immediately. If breathing is irregular or stopped, administer artificial respiration.
After skin contact:	Wash immediately with plenty of water.
After eye contact:	Rinse opened eye for 10 minutes under running water. Then consult a doctor.
After swallowing:	Rinse mouth immediately and drink plenty of water. Call for a doctor immediately.

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

After inhalation:	Inhalation of vapours causes irritation symptoms in the respiratory tract, dizziness, headache.
After skin contact:	Contact with the skin causes degreasing effect, possibly followed by secondary inflammation.
After eye contact:	Eye contact leads to local irritation symptoms.
After swallowing:	Ingestion and absorption of large quantities is followed by nausea, vomiting, headache, inebriation, impaired vision, blindness (irreversible damage of the optical nerve). Systemic effects: acidosis, drop in blood pressure, agitation, spasms, narcosis, coma. Damage to liver, kidneys, heart. The onset of symptoms may be delayed.

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

Decontamination, symptomatic treatment.

### 5. Firefighting measures

<b>5.0 Combustibility</b>	The product is highly flammable.
<b>5.1 Suitable extinguishing agents</b>	Water spray, alcohol resistant foam, dry extinguishing powder, carbon dioxide
<b>5.2 Special hazards arising from the substance or mixture</b>	Risk of explosive vapours and toxic fumes in fire (carbon monoxides). Vapours are heavier than air, spread along floors and
<b>5.3 Advice for firefighters</b>	Wear self-contained respiratory protective device. Wear fully protective suit. Prevent fire-fighting water from entering surface water or groundwater.

### 6. Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

Wear appropriate protective clothing. Don't breathe aerosols and fumes. Avoid skin contact. Avoid ignition sources. Ensure supply of fresh air in enclosed rooms.

#### 6.2 Environmental precautions

Avoid product entering into the canalisation; risk of explosion.

#### 6.3 Methods and material for containment and cleaning up

Absorb on an inert absorbent, transfer to a suitable container and arrange removal by disposal company. Clean site of spillage

#### 6.4 Reference to other sections

See Section 13 for disposal information.

### 7. Handling and storage

#### 7.1 Precautions for safe handling

Take precaution against static discharge. Work under fume hood. Do not inhale substance.

**7.2 Conditions for safe storage, including any incompatibilities** Keep well closed at 15-25°C, protected from direct sunlight and moisture. Store small containers in suitable ventilated storage  
**7.3 Specific end use(s)** See section 1.2

## 8. Exposure controls/personal protection

### 8.1 Control parameters

WEL (Great Britain): Long-term value methanol: 260 mg/m<sup>3</sup>

### 8.2 Exposure controls

Personal protective equipment:

Respiratory protection:

Suitable respiratory equipment when vapours are generated. Filter-type A

Eye protection:

Safety glasses with side-shields or face-shield.

Skin protection:

Impermeable protective gloves made of butyl caoutchouc (butyl rubber).

General hygiene considerations:

In accordance with good industrial hygiene and safety practices. Application of skin-protective barrier cream recommended. Wash hands after working with substance.

## 9. Physical and chemical properties

Physical state: Liquid  
Colour: Colourless  
Odour: Like alcohol  
pH-value: not available  
Melting temperature: -98°C  
Boiling temperature: 65°C  
Ignition temperature: 440°C  
Flash point: 10°C  
Danger of explosion: Lower explosion limit: 5,5%vol, upper explosion limit: 44%vol  
Vapour pressure: 128hPa at 20°C  
Relative vapor density: 1,11  
Density: 0,79 g/cm<sup>3</sup> (20°C)  
Solubility in water: Unlimited

## 10. Stability and reactivity

### 10.1 Reactivity

See section 5.2

### 10.2 Chemical stability

No decomposition if used and stored according to specifications.

### 10.3 Possibility of hazardous reactions

Violent reaction with strong oxidisers. See section 5.

### 10.4 Conditions to avoid

Warming / heating.

### 10.5 Incompatible materials

Various plastics

### 10.6 Hazardous decomposition products

In case of fire: see section 5.

## 11. Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity (methanol):

LD50 (oral, rat): 5600 mg/kg

LDLo (oral, human): 140 mg/kg

LD50 (inhalation, rat): 130mg/L/4h

Subacute/chronic toxicity:

No sensitizing effects known.

CMR effects:

Mutagenicity:

Ames-test and tests with animals didn't show mutagenic or teratogenic effects.

Carcinogenicity:

No classification as carcinogenic toxicant.

Reproductive toxicity:

Evidence of reproductive effects (under conditions that are likely to be irrelevant for normal handling and use)

## 11.2 Further information

See section 4 for symptoms after direct contact with the product

## 12. Ecological information

All Informations refer to:

methanol

### 12.1 Aquatic toxicity

LC50 (Lepomis macrochirus): 15,4g/L/96hr

### 12.2 Persistence and degradability

Readily biodegradable.

### 12.3 Bioaccumulative potential

No significant accumulation in organisms.

### 12.4 Mobility in soil

No information available.

### 12.5 Results of PBT and vPvB assessment

No information available.

### 12.6 Other adverse effects

No further relevant information available.

## 13. Disposal considerations

Product must be disposed of as hazardous waste. Disposal according to official regulations.

## 14. Transport information

### 14.1 UN-Number

ADR, IMDG, IATA:

UN1230

### 14.2 UN proper shipping name

ADR:

1230 METHANOL

IMDG, IATA:

METHANOL

### 14.3 Transport hazard class(es)

ADR:

Class 3 (6.1) / label 3 + 6.1  
classification code FT1

IMDG:

Transport category 2 / LQ 1 L  
Class 3 (6.1) / label 3 + 6.1  
EmS: F-E S-D

IATA:

Class 3 (6.1)  
Label 3 + 6.1

### 14.4 Packing group

ADR, IMDG, IATA:

II

### 14.5 Environmental hazards

Marine pollutant: No

## 15. Regulatory information

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

Information about limitation of use:

Employment restrictions concerning juveniles and pregnant and lactating women must be observed.

Waterhazard class:

1 (slightly hazardous for water)

## 16. Other information

The informations provided on this SDS are correct to the best of our knowledge and information. These informations are designed as a guide for safe handling. They are no guarantee for specific characteristics of the product.