

Safety data sheet

according to Regulation (EC) No. 1907/2006

Schliessmann Schwäbisch Hall

Date: 27.09.2017

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

1.1 Product identifier

Product name: Rebelein-Reagenz „ALKOHOL 1“ / Rebelein „Alcohol 1“
Article: 0010 f.
Chemical name: Aqueous solution of potassium chromate
Registration number: See section 3 for substances contained in the mixture

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

Muta. 1B H340 May cause genetic defects.
Carc. 1B H350i May cause cancer by inhalation.
Skin Sens. 1 H317 May cause an allergic skin reaction.
Eye Irrit. 0 H319 Causes serious eye irritation.
Aquatic Chronic 2 H411 toxic to aquatic life with long lasting effects.

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

Hazard pictograms:



Signal word:

DANGER

Hazardous component:

potassium chromate

Hazard statements:

H340	Kann genetische Defekte verursachen.
H350i	Kann bei Einatmen Krebs erzeugen.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H411	Giftig für Wasserorganismen, mit langfristiger Wirkung.

Precautionary statements:

P405	Unter Verschluss aufbewahren.
P201	Vor Gebrauch besondere Anweisungen einholen.
P280	Wear protective gloves / protective clothing / eye protection / face protection.
P302+P352	IF ON SKIN: Wash with plenty of water and soap.
P308+P313	If exposed or concerned: Get medical advice / attention.
P273	Avoid release to the environment.

2.3 Other hazards

Causes skin irritation.

3. Composition/information on ingredients

3.1 Substance

The product is a mixture.

3.2 Mixtures

Mixture of substances listed below with water.

Dangerous component:

Potassium chromate (Substance of Very High Concern, SVHC acc. to REACH, Art. 57; App. XIV (ED/30/2010-21/09/2017))

EC Number:

232-140-5

CAS:

7789-00-6

Reg.nr.:

01-2119543478-30-XXXX

Classification:

Muta. 1B H340 May cause genetic defects.
Carc. 1B H350i May cause cancer by inhalation.
Eye Irrit. 2 H319 Causes serious eye irritation.
STOT SE 3 H335 May cause respiratory irritation.
Skin Sens. 1 H317 May cause allergic skin reaction.
Skin Irrit. 2 H315 Causes skin irritation.
Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.
Content: < 10 %

4. First aid measures

4.1 Description of first aid measures

After inhalation:

Supply fresh air. In case of complaints call a doctor.

After skin contact:

Wash with water and soap. Seek medical treatment in case of complaints.

After eye contact:

Rinse opened eye for 10 minutes under running water. Then consult a doctor.

After swallowing:

Rinse out mouth and drink a glass of water. Call for a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

After inhalation:

Contact with mucous membranes causes irritations. Danger of pneumonia.

After skin contact:

Irritations. Allergic reactions possible.

After eye contact:

Serious irritations, risk of serious damages.

After swallowing:

Gastrointestinal pain. Resorption may cause damages of liver and kidneys.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5. Firefighting measures

5.0 Combustibility

The product is not combustible.

5.1 Suitable extinguishing agents

Adapted to the environmental fire. Foam, CO₂, powder or waterspray

5.2 Special hazards arising from the substance or mixture

Risk of hazardous vapours and toxic fumes in fire (metal oxides).

5.3 Advice for firefighters

Wear self-contained respiratory protective device.
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.

6.2 Environmental precautions

Avoid skin and eye contact with the product. Don't breathe vapours or aerosols. Wear personal protective equipment. Do not allow to enter sewers/ground water or penetrate the soil.

- 6.3 Methods and material for containment and cleaning up** Absorb spilled product on an inert absorbent and arrange removal by disposal company. Clean site of spillage thoroughly with water.
6.4 Reference to other sections See Section 13 for disposal information.

7. Handling and storage

- 7.1 Precautions for safe handling** See sections 2 and 8. Avoid formation of aerosols and dust. Handling corresponding to strong laboratory safety guidelines; use extractor hood; don't pipette by mouth!
- 7.2 Conditions for safe storage, including any incompatibilities** Keep tightly closed at 15-25°C, locked up, away from foodstuffs.
- 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 potassium chromate: 0,05 mg/m³

8.2 Exposure controls

Personal protective equipment:

Respiratory protection:

Suitable respiratory equipment when vapours/aerosols are generated.

Eye protection:

Safety glasses with side-shields or face-shield.

Skin protection:

Impermeable protective gloves.

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. Store protective clothing separately.

9. Physical and chemical properties

Physical state:	Liquid
Colour:	Yellow
Odour:	Odourless
pH-value:	9 (20°C)
Melting temperature:	Not available
Boiling temperature:	Not available
Ignition temperature:	Not applicable
Flash point:	Not applicable
Danger of explosion:	No explosion hazard
Vapour pressure:	Not available
Density:	1,05 g/cm ³ (20°C)
Solubility in water:	Unlimited

10. Stability and reactivity

- 10.1 Reactivity** No relevant informations available.
- 10.2 Chemical stability** No decomposition if used and stored according to specifications.
- 10.3 Possibility of hazardous reactions** None
- 10.4 Conditions to avoid** Warming / heating.
- 10.5 Incompatible materials** No relevant informations available.
- 10.6 Hazardous decomposition products** In case of fire: see section 5.

11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity (potassium chromate):

LD50 (oral, rat): 60 mg/kg

Subacute/chronic toxicity:

Sensitizing effects through skin contact and inhalation.

CMR effects:

Mutagenicity: Contact may cause mutagenic or teratogenic effects.
Carcinogenicity: Classification as carcinogenic toxicant.
Reproductive toxicity: Classification as reproductive toxicant.

11.2 Further information See section 4 for symptoms after direct contact with the product

12. Ecological information

All Informations refer to: potassium chromate
12.1 Aquatic toxicity LC50 (96h) 40 mg/l (Pimephales bromelas); may cause long-term adverse effects in the aquatic environment
12.2 Persistence and degradability Not applicable.
12.3 Bioaccumulative potential No information available.
12.4 Mobility in soil No information available.
12.5 Results of PBT and vPvB assessment Not applicable.
12.6 Other adverse effects No further relevant information available.

13. Disposal considerations

Product must be disposed of as hazardous waste. Disposal of laboratory waste liquids, too, according to official regulations. Our infosheet "Information on the working equipment for analysis methods according to Dr. Rebelein" describes the diminution of the volumes of hazardous wastes.

14. Transport information

14.1 UN-Number
ADR, IMDG, IATA: UN3287

14.2 UN proper shipping name
ADR: 3287 TOXIC LIQUID INORGANIC, N.O.S.
(POTASSIUM CHROMATE, SOLUTION)
IMDG, IATA: TOXIC LIQUID, INORGANIC, N.O.S. (potassium chromate solution),
ENVIRONMENTALLY HAZARDOUS

14.3 Transport hazard class(es)
ADR: Class 6.1 / label 6.1
classification code T4
Transport category 2 / LQ7 / 5 L
IMDG: Class 6.1 / Label 6.1
EmS: F-A S-A
IATA: Class 6.1 / TOXIC LIQUID, INORGANIC, N.O.S. Label 6.1

14.4 Packing group
ADR, IMDG, IATA: III

14.5 Environmental hazards Marine pollutant: Yes

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: 3 (extremely 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.