SAFETY DATA SHEET

Sigel BA140 / BA140 Whiteboard Cleaner Soft

The safety data sheet is in accordance with Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

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

Date issued	12.01.2015
Revision date	24.08.2020

1.1. Product identifier

Product name	Sigel BA140 / BA140 Whiteboard
Article no.	Cleaner Soft L03000000094

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

Product group	Whiteboardcleaner
Relevant identified uses	SU21 Consumer uses: Private households (= general public = consumers) SU22 Professional uses: publicly accessible (administration, education, entertainment, services, craftsmen) PC35 Washing and cleaning products (including solvent based products) PROC10 Roller application or brushing ERC11B Wide dispersive indoor use of long-life articles and materials with high or intended release (including abrasive processing)
Uses advised against	No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Producer

Company name	Kleinmann GmbH
Postal address	Am Trieb 13
Postcode	D-72820
City	Sonnenbuehl
Country	Germany
Telephone number	+49(0)7128/9292-15
Fax	+49(0)7128/9292-415
Email	chemie@kleinmann.net

Website	http://www.kleinmann.net
Enterprise No.	DE 146 487

1.4. Emergency telephone number

Emergency telephone	Description: 8-12, Mo.-Fr. +49(0)7128/9292-15

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Substance / mixture hazardous properties	The product is not classified. Not regarded as a health or environmental hazard under current legislation.

2.2. Label elements

Hazard statements	EUH 210 Safety data sheet available on request.

2.3. Other hazards

Health effect	The product contains organic solvents.
Environmental effects	This product does not contain any PBT or vPvB substances.

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Substance	Identification	Classification	Contents	Notes
Propan-2-ol	CAS No.: 67-63-0 EC No.: 200-661-7 Index No.: 603-117-00-0 REACH Reg. No.: 01-2119457558-25-XXXX	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	1 – 5 %	
2-Butoxyethanol	CAS No.: 111-76-2 EC No.: 203-905-0 Index No.: 603-014-00-0 REACH Reg. No.: 01-2119475108-36-xxxx	Acute tox. 4; H332 Acute tox. 4; H312 Acute tox. 4; H302 Eye Irrit. 2; H319 Skin Irrit. 2; H315	1 – 5 %	

Substance comments	Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents: <1% Perfume The full text for all hazard statements is displayed in section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General	Remove affected person from source of contamination.
Inhalation	Fresh air. Get medical attention if any discomfort continues.
Skin contact	Rinse with water. Get medical attention if any discomfort continues.
Eye contact	Rinse with water. Contact physician if discomfort continues.

Ingestion	Rinse mouth with water. Get medical attention if any discomfort continues.

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

Acute symptoms and effects	No specific symptoms noted.
Delayed symptoms and effects	No known long term effects.

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

Other information	If unconscious: Call an ambulance/physician immediately. Show this Safety Data Sheet.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use fire-extinguishing media appropriate for surrounding materials.

5.2. Special hazards arising from the substance or mixture

Fire and explosion hazards	Follow the general fire precautions indicated by the workplace.

5.3. Advice for firefighters

Personal protective equipment	Wear necessary protective equipment. For personal protection, see section 8.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection measures	Avoid contact with eyes and prolonged skin contact.

6.2. Environmental precautions

Environmental precautionary measures	Avoid discharge into water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Cleaning method	Recover the product and place in a suitable container for reuse. Flush contaminated area with plenty of water.

6.4. Reference to other sections

Other instructions	See section 8 and section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Handling	No specific usage precautions noted.

7.2. Conditions for safe storage, including any incompatibilities

Storage	Store in closed original container in a dry place.

Conditions for safe storage

Technical measures and storage conditions	Lagerklasse: 12
Storage temperature	Value: 0 – 35 °C
Storage stability	Durability: 24 months.

7.3. Specific end use(s)

Specific use(s)	The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls / personal protection

8.1. Control parameters

Substance	Identification	Exposure limits	TWA Year
Propan-2-ol	CAS No.: 67-63-0	Limit value (8 h) : 200 ppm Limit value (8 h) : 490 mg/m3	TWA Year: 2011
2-Butoxyethanol	CAS No.: 111-76-2	Limit value (8 h) : 98 mg/m3; H Limit value (8 h) : 20 ppm; H	TWA Year: 2011

DNEL / PNEC

Substance	Propan-2-ol
DNEL	**Group:** Consumer **Route of exposure:** Long-term inhalation (systemic) **Value:** 89 mg/m³ **Reference:** ECHA **Group:** Professional **Route of exposure:** Long-term dermal (systemic) **Value:** 888 mg/kg bw/day **Reference:** ECHA **Group:** Professional **Route of exposure:** Long-term inhalation (systemic) **Value:** 500 mg/m³ **Reference:** ECHA **Group:** Consumer **Route of exposure:** Long-term dermal (systemic) **Value:** 319 mg/kg bw/day **Reference:** ECHA **Group:** Consumer **Route of exposure:** Long-term oral (systemic) **Value:** 26 mg/kg bw/day **Reference:** ECHA
PNEC	**Route of exposure:** Sewage treatment plant STP

	Value: 2251 mg/l **Route of exposure:** Soil **Value:** 25 mg/kg **Route of exposure:** Freshwater **Value:** 140,9 mg/l **Route of exposure:** Saltwater sediments **Value:** 552 mh/kg **Route of exposure:** Freshwater sediments **Value:** 552 mg/kg **Route of exposure:** Saltwater **Value:** 140,9 mg/l **Value:** 140,9 **Reference:** Intermittent releases
Substance	2-Butoxyethanol
DNEL	**Group:** Industrial **Route of exposure:** Long-term dermal (systemic) **Value:** 75 mg/kg/d **Group:** Consumer **Route of exposure:** Acute inhalation (systemic) **Value:** 426 mg/m³ **Group:** Consumer **Route of exposure:** Acute oral (systemic) **Value:** 13.4 mg/kg/d **Group:** Consumer **Route of exposure:** Long-term dermal (systemic) **Value:** 38 mg/kg/d **Group:** Consumer **Route of exposure:** Acute dermal (systemic) **Value:** 44.5 mg/kg/d **Group:** Industrial **Route of exposure:** Long-term inhalation (systemic) **Value:** 98 mg/m³ **Group:** Industrial **Route of exposure:** Acute inhalation (systemic) **Value:** 652 mg/m³ **Group:** Industrial **Route of exposure:** Acute dermal (systemic) **Value:** 89 mg/kg/d **Group:** Consumer **Route of exposure:** Long-term oral (systemic) **Value:** 3.2 mg/kg/d
PNEC	**Route of exposure:** Saltwater

Value: 0.88 mg/l

Route of exposure: Sewage treatment plant STP
Value: 463 mg/l

Route of exposure: Freshwater
Value: 8.8 mg/l

Route of exposure: Soil
Value: 2.8 mg/kg

Route of exposure: Freshwater sediments
Value: 34.6 mg/kg

Route of exposure: Saltwater sediments
Value: 3.46 mg/kg

8.2. Exposure controls

Precautionary measures to prevent exposure

Technical measures to prevent exposure	No special precautions.

Eye / face protection

Suitable eye protection	Eye protection is not required under normal conditions.

Hand protection

Skin- / hand protection, long term contact	Hand protection is not required for normal use.

Skin protection

Additional skin protection measures	No special precautions.

Respiratory protection

Respiratory protection necessary at	Under normal conditions of use respiration protection should not be required.

Thermal hazards

Thermal hazards	No recommendation given.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Fluid.
Colour	Colourless.
Odour	Perfume.
pH	Status: In delivery state

	Value: ~ 7,0 Status: In aqueous solution Comments: Not relevant.
Melting point / melting range	Comments: Not relevant.
Boiling point / boiling range	Comments: Not relevant.
Flash point	Value: 49 °C Comments: Negative results are obtained in sustained combustibility test L.2., Part III, section 32 of the UN RTDG, Manual of Tests and Criteria, and classification as Flammable liquid and vapour in Category 3, is not needed.
Evaporation rate	Comments: Not relevant.
Flammability (solid, gas)	Not relevant.
Explosion limit	Comments: Not relevant.
Vapour pressure	Comments: Not relevant.
Relative density	Value: 0,98 – 0,99 g/ml
Solubility	Medium: Water Comments: Completely soluble in water.
Partition coefficient: n-octanol/ water	Comments: Not relevant.
Spontaneous combustability	Comments: Not relevant.
Decomposition temperature	Comments: Not relevant.
Viscosity	Value: < 50 mPa s
Explosive properties	Not explosive.
Oxidising properties	Does not meet the criteria for oxidising.

9.2. Other information

Other physical and chemical properties

Comments	No data recorded.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability	Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	See section 10.4 and section 10.5.

10.4. Conditions to avoid

Conditions to avoid	No recommendation given.

10.5. Incompatible materials

Materials to avoid	None in particular.

10.6. Hazardous decomposition products

Hazardous decomposition products	During fire, toxic gases (CO, CO2) are formed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance	Propan-2-ol
Acute toxicity	**Type of toxicity:** Acute **Effect tested:** LD50 **Route of exposure:** Oral **Value:** 5840 mg/kg **Animal test species:** Rat **Test reference:** OECD Guideline 401 **Comments:** ECHA **Type of toxicity:** Acute **Effect tested:** LC50 **Route of exposure:** Inhalation. **Duration:** 6 hour(s) **Value:** > 10000 ppm **Animal test species:** Rat **Test reference:** OECD Guideline 403 **Comments:** ECHA **Type of toxicity:** Acute **Effect tested:** LD50 **Route of exposure:** Dermal **Duration:** 24 hour(s) **Value:** 16,4 ml/kg **Animal test species:** Rabbit **Test reference:** OECD Guideline 402 **Comments:** ECHA
Substance	2-Butoxyethanol
Acute toxicity	**Type of toxicity:** Acute **Effect tested:** LD50 **Route of exposure:** Oral **Value:** 1300 mg/kg **Animal test species:** Rat **Type of toxicity:** Acute **Effect tested:** LD50 **Route of exposure:** Dermal **Value:** 1100 mg/kg **Test reference:** OECD Guideline 402

	Type of toxicity: Acute **Effect tested:** LC50 **Route of exposure:** Inhalation. **Value:** 1,5 mg/l
Other toxicological data	Toxicological tests on the product has not been performed.

Other information regarding health hazards

Assessment of acute toxicity, classification	No evidence for acute toxicity.
Substance	Propan-2-ol
Eye damage or irritation, test results	**Toxicity type:** Eye irritation **Method:** OECD 405 **Species:** Rabbit **Evaluation result:** Result: Irritation to eye.
Inhalation	No specific symptoms noted.
Skin contact	Skin irritation is not anticipated when used normally.
Eye contact	May cause temporary eye irritation.
Ingestion	Not likely, due to the packaging.
Sensitisation	No evidence for respiratory nor skin sensitization.
Assessment of germ cell mutagenicity, classification	No evidence for germ cell mutagenicity.
Assessment of carcinogenicity, classification	No evidence for carcinogenicity.
Assessment of reproductive toxicity, classification	No evidence for reproductive toxicity.
Assessment of specific target organ toxicity - single exposure, classification	No evidence for STOT-single exposure.
Assessment of specific target organ toxicity - repeated exposure, classification	No evidence for STOT-repeated exposure.
Assessment of aspiration hazard, classification	No evidence for aspiration hazard.

Symptoms of exposure

Other information	No specific symptoms noted.

SECTION 12: Ecological information

12.1. Toxicity

Substance	Propan-2-ol
Aquatic toxicity, fish	**Value:** 8970 – 9280 mg/l **Test duration:** 48 hour(s) **Species:** Leuciscus idus melanotus **Method:** LC50

Substance	2-Butoxyethanol
Aquatic toxicity, fish	**Value:** 1474 mg/l **Test duration:** 96h **Species:** Oncorhynchus mykiss **Method:** OECD TG 203
Substance	Propan-2-ol
Aquatic toxicity, algae	**Value:** 1800 mg/l **Test duration:** 8 day(s) **Species:** Scenedesmus quadricauda **Method:** TGK
Substance	2-Butoxyethanol
Aquatic toxicity, algae	**Value:** 1840 mg/l **Test duration:** 72 hour(s) **Species:** Pseudokirchneriella subcapitata **Method:** OECD TG 201
Substance	Propan-2-ol
Aquatic toxicity, crustacean	**Value:** 9715 mg/l **Test duration:** 24 hour(s) **Species:** Daphnia magna **Method:** LC50
Substance	2-Butoxyethanol
Aquatic toxicity, crustacean	**Toxicity type:** Acute **Value:** 100 mg/l **Exposure time:** 21 day(s) **Species:** Daphnia magna **Method:** NOEC **Value:** 1550 mg/l **Test duration:** 4h **Species:** Daphnia magna **Method:** OECD TG 202
Ecotoxicity	Not classified as dangerous to the environment.

12.2. Persistence and degradability

Persistence and degradability description/evaluation	The product is readily biodegradable.
Substance	Propan-2-ol
Biodegradability	**Value:** 95 % **Method:** OECD 301E **Test period:** 21 day(s)
Substance	2-Butoxyethanol
Biodegradability	**Value:** 90 % **Method:** OECD 301B **Test period:** 28 day(s)

12.3. Bioaccumulative potential

Bioaccumulation, evaluation	The product is not bioaccumulating.

12.4. Mobility in soil

Mobility	The product is water soluble and may spread in water systems.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment	Not Classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate methods of disposal for the chemical	Do not empty into drains; dispose of this material and its container in a safe way. Dispose of waste and residues in accordance with local authority requirements.
Appropriate methods of disposal for the contaminated packaging	Dispose unused product and the packaging in accordance with local requirements.
EWC waste code	EWC waste code: 0706 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics Classified as hazardous waste: No
EWL packing	EWC waste code: 0706 wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics Classified as hazardous waste: No
Other information	Waste code applies to product remnants in pure form. When handling waste, consideration should be made to the safety precautions applying to handling of the product.

SECTION 14: Transport information

14.1. UN number

Comments	The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.2. UN proper shipping name

Comments	Not relevant.

14.3. Transport hazard class(es)

Comments	Not relevant.

14.4. Packing group

Comments	Not relevant.

14.5. Environmental hazards

IMDG Marine pollutant	No

14.6. Special precautions for user

Special safety precautions for user	No data recorded.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

ADN Other information

Special provisions	Not relevant.

SECTION 15: Regulatory information

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

Water hazard class (DE)	Water hazard class (WGK): 1: low hazard to waters Source: Self-classification (mixture; calculation rule).
Legislation and regulations	The Management of Health and Safety at Work Regulations 1999 (SI 1999 No. 3242), with amendments. EH40/2005, Workplace exposure limits 2005, with amendments. The List of Wastes (England) (Amendment) Regulations 2005. (SI 2005 No. 895). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents.

15.2. Chemical safety assessment

Chemical safety assessment performed	No

SECTION 16: Other information

List of relevant H-phrases (Section 2 and 3)	H225 Highly flammable liquid and vapour. H302 Harmful if swallowed. H312 Harmful in contact with skin. H315 Causes skin irritation. H319 Causes serious eye irritation. H332 Harmful if inhaled. H336 May cause drowsiness or dizziness.
Training advice	No particular training or education is required but the user must be familiar with

	this SDS.
Information added, deleted or revised	Relevant changes compared to the previous version of the safety data sheet are indicated with verticle lines in the left margin.
Version	9
Prepared by	MP