

## Safety data sheet

### according to 1907/2006/EC, Article 31

Printing date 10.02.2023

Version number 6 (replaces version 5)

Revision: 10.02.2023

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

#### 1.1 Product identifier

**Trade name** UH 065 Brillant

**UFI:** 0D10-80TU-A00Q-E35P

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

No further relevant information available.

**Application of the substance / the mixture** Cleaning agent / Cleaner

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

**Manufacturer/Supplier:**

Schöler

Reinigungsmittel

Rothenfelder Str. 53

D-33775 Versmold

Tel.: +49 (0) 5423 / 3540

Fax: +49 (0) 5423 / 43366

Mail: [info@schoeler-reinigungsmittel.de](mailto:info@schoeler-reinigungsmittel.de)

**Informing department:** Product safety department

#### 1.4 Emergency telephone number:

Informationszentrale gegen Vergiftungen

Uniklinik Bonn (24h/7d)

Tel.: +49 (0) 228 / 19240

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008**

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

#### 2.2 Label elements

**Labelling according to Regulation (EC) No 1272/2008**

The product is classified and labelled according to the GB CLP regulation.

**Hazard pictograms**



GHS07

**Signal word** Warning

**Hazard statements**

H315 Causes skin irritation.

H319 Causes serious eye irritation.

**Precautionary statements**

P280 Wear protective gloves / eye protection / face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

#### 2.3 Other hazards

##### Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

##### Determination of endocrine-disrupting properties

The substance/mixture does not contain components in quantities of 0.1% or more considered to have endocrine disrupting properties according to UK REACH Article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Delegated Regulation (EU) 2018/605.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

**Description:** Mixture of the substances listed below with harmless additions (aqueous solution).

#### Dangerous components:

CAS: 68439-46-3 Polymer	Alcohols C9-11, ethoxylated ( $\geq 2,5 - \leq 4$ EO) ⚠ Eye Irrit. 2, H319	$\geq 2.5 - < 10\%$
CAS: 1554325-20-0 Polymer	Quaternary C12-C14 alkylaminethoxylate, chloride ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315	$\geq 1 - < 2.5\%$
EC number: 931-292-6 Reg.nr.: 01-2119490061-47	Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides ⚠ Eye Dam. 1, H318; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315	$< 1\%$
CAS: 1310-58-3 EINECS: 215-181-3 Reg.nr.: 01-2119487136-33	potassium hydroxide ⚠ Met. Corr. 1, H290; Skin Corr. 1A, H314; ⚠ Acute Tox. 4, H302 Specific concentration limits: Skin Corr. 1A; H314: $C \geq 5\%$ Skin Corr. 1B; H314: $2\% \leq C < 5\%$ Skin Irrit. 2; H315: $0.5\% \leq C < 2\%$ Eye Irrit. 2; H319: $0.5\% \leq C < 2\%$	$< 1\%$

#### Regulation (EC) No 648/2004 on detergents / Labelling for contents

non-ionic surfactants, cationic surfactants, phosphonates, perfumes

$< 5\%$

**Additional information** For the wording of the listed hazard phrases refer to section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**General advice:** Instantly remove any clothing soiled by the product.

**After inhalation** Supply fresh air; consult doctor in case of symptoms.

#### After skin contact

Wash skin with water using soap if available. If persistent irritation occurs, obtain medical attention.

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**After eye contact**

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

**After swallowing**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; instantly call for medical help.

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

No further relevant information available.

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

No further relevant information available.

### SECTION 5: Firefighting measures

**5.1 Extinguishing media****Suitable extinguishing agents**

CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

**For safety reasons unsuitable extinguishing agents** Water with a full water jet.

**5.2 Special hazards arising from the substance or mixture**

Thermal decomposition can lead to release of irritating gases and vapours

**5.3 Advice for firefighters****Protective equipment:**

See section 8.

Wear full protective suit with self-contained breathing apparatus.

**Additional information**

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

Endangered containers in the surrounding area should be cooled with a water-hose.

### SECTION 6: Accidental release measures

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

Wear protective equipment and keep unprotected persons away.

**6.2 Environmental precautions:**

Dilute with much water.

Do not allow to enter drainage system, surface or ground water.

If large amounts are released, the authorities must be informed.

**6.3 Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

Contaminated material has to be disposed as waste (see item 13).

**6.4 Reference to other sections**

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

### SECTION 7: Handling and storage

**7.1 Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace. Avoid repeated or long-term skin contact.

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Prevent formation of aerosols.

**Information about protection against explosions and fires:**

Pay attention to general rules of internal fire prevention.

**7.2 Conditions for safe storage, including any incompatibilities****Storage** Keep containers tightly closed. Store in cool, dry conditions.**Requirements to be met by storerooms and containers:**

Observe official regulations on storage and handling of water hazardous substances

**Information about storage in one common storage facility:** Not required.**Further information about storage conditions:** None.**Storage class**

12 Non-flammable liquids (TRGS 510, Storage of hazardous substances in portable containers)

**7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

**8.1 Control parameters****Components with critical values that require monitoring at the workplace:****CAS: 1310-58-3 potassium hydroxide (<1%)**WEL (Great Britain) Short-term value: 2 mg/m<sup>3</sup>**Additional information:** The lists that were valid during the compilation were used as basis.**8.2 Exposure controls****Appropriate engineering controls** No further data; see item 7.**Individual protection measures, such as personal protective equipment****General protective and hygienic measures**

Keep away from food, beverages and fodder.

Instantly remove any soiled and impregnated garments.

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

Avoid contact with the eyes and skin.

Gases, fumes and aerosols should not be inhaled.

**Breathing equipment:** Not necessary if room is well-ventilated.**Hand protection**

Protective gloves.

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

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**

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 through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**For the permanent contact gloves made of the following materials are suitable:**

Butylrubber (BR) with 0,7 mm or nitrile rubber (NBR) with 0,4 mm coating thickness (recommended: protective index 6, corresponding &gt; 480 minutes of permeation time according to EN 374).

Attention! Due to conditions (stressing, temperature) the practical usage of chemical protective gloves may be much shorter than the permeation time according to EN 374.

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**Eye/face protection** Safety glasses**Body protection:** Protective work clothing.

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties

##### General Information

<b>Colour:</b>	Light yellow
<b>Smell:</b>	Pleasant
<b>Odour threshold:</b>	Not determined.
<b>Melting point/freezing point:</b>	Not determined
<b>Boiling point or initial boiling point and boiling range</b>	100 °C
<b>Flammability</b>	Not applicable.
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Flash point:</b>	Product is non-flammable nor potentially explosive
<b>Decomposition temperature:</b>	Not determined.
<b>pH at 20 °C</b>	ca. 12
<b>pH-value:</b>	
<b>Viscosity:</b>	
<b>Kinematic viscosity</b>	Not determined.
<b>dynamic:</b>	Not determined.
<b>Solubility</b>	
<b>Water:</b>	Fully miscible
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
<b>Vapour pressure at 20 °C:</b>	23 hPa
<b>Density and/or relative density</b>	
<b>Density at 20 °C</b>	ca. 1.04 g/cm <sup>3</sup>
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not determined.

#### 9.2 Other information

<b>Appearance:</b>	
<b>Form:</b>	Fluid
<b>Important information on protection of health and environment, and on safety.</b>	
<b>Self-inflammability:</b>	Product is not selfigniting.
<b>Explosive properties:</b>	Product is not potentially explosive
<b>Change in condition</b>	
<b>Evaporation rate</b>	Not determined.

#### Information with regard to physical hazard classes

<b>Explosives</b>	Void
<b>Flammable gases</b>	Void

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<b>Aerosols</b>	Void
<b>Oxidising gases</b>	Void
<b>Gases under pressure</b>	Void
<b>Flammable liquids</b>	Void
<b>Flammable solids</b>	Void
<b>Self-reactive substances and mixtures</b>	Void
<b>Pyrophoric liquids</b>	Void
<b>Pyrophoric solids</b>	Void
<b>Self-heating substances and mixtures</b>	Void
<b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
<b>Oxidising liquids</b>	Void
<b>Oxidising solids</b>	Void
<b>Organic peroxides</b>	Void
<b>Corrosive to metals</b>	Void
<b>Desensitised explosives</b>	Void

### SECTION 10: Stability and reactivity

**10.1 Reactivity** No further relevant information available.

**10.2 Chemical stability**

**Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

**10.3 Possibility of hazardous reactions** No dangerous reactions known

**10.4 Conditions to avoid** No further relevant information available.

**10.5 Incompatible materials:**

strong oxidizing agents

Strong acids

**10.6 Hazardous decomposition products:**

Thermal decomposition can produce a variety of compounds, the precise nature of which will depend on the decomposition conditions.

### SECTION 11: Toxicological information

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

**Acute toxicity** Based on available data, the classification criteria are not met.

**LD/LC50 values that are relevant for classification:**

**ATE (Acute Toxicity Estimates)**

Oral	LD50	29,412 mg/kg (rat)
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**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/irritation**

Causes serious eye irritation.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

**Carcinogenicity** Based on available data, the classification criteria are not met.

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**Reproductive toxicity** Based on available data, the classification criteria are not met.

**STOT-single exposure** Based on available data, the classification criteria are not met.

**STOT-repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Based on available data, the classification criteria are not met.

#### 11.2 Information on other hazards

##### Endocrine disrupting properties

Not all ingredients are listed

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity:

**CAS: 68439-46-3 Alcohols C9-11, ethoxylated (>5 - ≤10 EO)**

LC 50 / 96 h 1-10 mg/l (fish)

EC 50 / 48 h 1-10 mg/l (Daphnia magna)

EC 50 / 72 h 1-10 mg/l (Skeletonema costatum)

**CAS: 1554325-20-0 Quaternary C12-C14 alkylaminethoxylate, chloride**

LC 50 / 96 h >10-100 mg/l (fish)

EC 50 / 48 h >1-10 mg/l (Daphnia magna)

EC 50 / 72 h >1-10 mg/l (Algae)

### 12.2 Persistence and degradability

**CAS: 68439-46-3 Alcohols C9-11, ethoxylated (>5 - ≤10 EO)**

Biodegradability >60 % (OECD 301 B)

**CAS: 1554325-20-0 Quaternary C12-C14 alkylaminethoxylate, chloride**

Biodegradability >60 % (OECD 301 D)

**Amines, C12-14 (even numbered)-alkyldimethyl, N-oxides**

Biodegradability 90 % (OECD 301 B) (28 Tage)

**12.3 Bioaccumulative potential** No further relevant information available.

**12.4 Mobility in soil** No further relevant information available.

### 12.5 Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

### 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

### 12.7 Other adverse effects

**Additional ecological information:**

**General notes:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

The following advice is related to new material and not to any processed products. In case of a mixture with other products other disposal methods may become necessary. If in doubt seek advice from product supplier or from local authorities.

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**Recommendation**

*Must not be disposed of together with household garbage. Do not allow product to reach sewage system.*

**Waste disposal key number:**

*Since 01/01/99 the waste code numbers have not only been product-related but are also essentially application-related. The valid waste code number of the application can be obtained from the European waste catalogue.*

**Uncleaned packagings:** *Disposal must be made according to official regulations.*

**Recommendation:**

*After complete emptying and cleaning, send to be reconditioned or recycled.*

*Rented packaging: After optimal emptying, close immediately and return to the supplier without cleaning. Care should be taken that no other materials get into the packaging.*

*Other containers: After complete emptying and cleaning, send to be reconditioned or recycled.*

**Recommended cleaning agent:** *Water, if necessary with cleaning agent.*

### SECTION 14: Transport information

**14.1 UN number or ID number**

ADR, IMDG, IATA

Void

**14.2 UN proper shipping name**

ADR, IMDG, IATA

Void

**14.3 Transport hazard class(es)**

ADR, IMDG, IATA

Class

Void

**14.4 Packing group**

ADR, IMDG, IATA

Void

**14.5 Environmental hazards:**

Not applicable.

**Marine pollutant:**

No

**14.6 Special precautions for user**

Not applicable.

**14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

**Transport/Additional information:**

Not dangerous according to the above specifications.

**UN "Model Regulation":**

Void

GB

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### SECTION 15: Regulatory information

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

##### TSCA (Toxic Substances Control Act)

All ingredients are listed.

##### Canadian Domestic Substances List (DSL)

Not all ingredients are listed

##### Philippines Inventory of Chemicals and Chemical Substances (PICCS)

Not all ingredients are listed

##### Chinese Chemical Inventory of Existing Chemical Substances (IECSC)

Not all ingredients are listed

##### Australian Inventory of Industrial Chemicals (AIIC)

Not all ingredients are listed

##### Korean Existing Chemical Inventory (KECI)

Not all ingredients are listed

##### New Zealand Inventory of Chemicals (NZIoC)

All ingredients are listed.

##### Taiwan Chemical Substance Inventory (TCSI)

Not all ingredients are listed

##### Japan - Existing Chemical Substances (ENCS)

Not all ingredients are listed

##### Directive 2012/18/EU

**Named dangerous substances - ANNEX I (12. BlmSchV)** Not all ingredients are listed  
**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3

##### DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

Not all ingredients are listed

##### REGULATION (EU) 2019/1148

##### Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

Not all ingredients are listed

##### Annex II - REPORTABLE EXPLOSIVES PRECURSORS

Not all ingredients are listed

#### National regulations

##### Information about limitation of use:

Employment restrictions concerning young persons must be observed.

##### Technical instructions (air):

Class	Share in %
NK	< 2,5

**Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

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**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 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. In accordance with Annex II of EC No 1907/2006 as applicable on the date of this safety data sheet.

#### Registration-Number

#### Relevant phrases

Complete wording of hazard statements and risk phrases (H- and R-phrases) mentioned in section 3. These phrases refer to the constituents. The labelling for this product is stated in section 2.

H290 May be corrosive to metals.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

**Date of previous version:** 06.05.2016

**Version number of previous version:** 5

#### Abbreviations and acronyms:

LEV: Local Exhaust Ventilation

RPE: Respiratory Protective Equipment

RCR: Risk Characterisation Ratio (RCR= PEC/PNEC and RCR= Estimated Exposition/DNEL)

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

GB CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Dangerous Substances, BAuA, Germany)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

vPvB: very Persistent and very Bioaccumulative

Met. Corr. 1: Corrosive to metals – Category 1

Acute Tox. 4: Acute toxicity – Category 4

Skin Corr. 1A: Skin corrosion/irritation – Category 1A

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

\* **Data compared to the previous version altered.**