



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

### 1.1 Product identifier:

**Trade name:** Beauty Kultur-Pinselreiniger / Brush cleaner

**UFI:** VMWX-6PW3-0COW-17PD

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

No further relevant information available.

**Application of the substance / the preparation:** Cleaning agent/ Cleaner

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

HELLMUT RUCK GmbH

Daimlerstr. 23

D-75305 Neuenbürg

fon +49 (0)7082. 944 20

fax +49 (0)7082. 944 22 22

kontakt@hellmut-ruck.de

### 1.4 Emergency telephone number:

Poison Information Center Freiburg, Germany: Phone (24 h) +49 (0)761 19240

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## 2 SECTION 2: Hazards identification:

### 2.1 Classification of the substance or mixture:

#### Classification according to Regulation (EC) No 1272/2008:



GHS04 Flamme

Flam. Liq. 2 H225 Highly flammable liquid and vapour.



GHS07

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 CLP regulation.

#### Hazard pictograms:



GHS04



GHS07

**Signal word:** Danger

#### Hazard statements:

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

#### Precautionary statements:

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241	Use explosion-proof [electrical/ventilating/lighting] equipment.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313	If eye irritation persists: Get medical advice/attention.

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P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

### 2.3 Other hazards:

#### Results of PBT and vPvB assessment:

**PBT:** Not applicable.

**vPvB:** Not applicable.

#### Determination of endocrine-disrupting properties:

78-93-3 butanone: List II



## 3 SECTION 3: Composition/information on ingredients:

### 3.2 Mixtures:

**Description:** Mixture of substances listed below with nonhazardous additions.

#### Dangerous components:

CAS: 64-17-5 ethanol >50-≤100%

EINECS: 200-578-6  Flam. Liq. 2, H225;  Eye Irrit. 2 H319  
Specific concentration limit: Eye Irrit. 2; H319: C ≥ 50 %

CAS: 78-93-3 butanone ≤2,5%

EINECS: 201-159-0  Flam. Liq. 2, H225;  Eye Irrit. 2 H319; STOT SE 3, H336, EUH066

#### Additional information:

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



## 4 SECTION 4: First aid measures:

### 4.1 Description of first aid measures:

#### General information:

Take affected persons out into the fresh air.

Do not leave affected persons unattended.

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

**After skin contact:** Immediately 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 plenty of water and provide fresh air. Call for a doctor immediately.

### 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.

## 5 SECTION 5: Firefighting measures:

### 5.1 Extinguishing media:

#### Suitable extinguishing agents:

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

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

### 5.2 Special hazards arising from the substance or mixture:

Formation of toxic gases is possible during heating or in case of fire. Carbon monoxide (CO).

### 5.3 Advice for firefighters:

#### Protective equipment:

Do not inhale explosion gases or combustion gases. Mouth respiratory protective device.

#### Additional information:

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



## 6 SECTION 6: Accidental release measures:

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

Wear protective clothing.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Ensure adequate ventilation.

Keep away from ignition sources.

### 6.2 Environmental precautions:

Do not allow to enter sewers/ surface or ground water.

### 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.

Dispose contaminated material as waste according to section 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 disposal information.

## 7 SECTION 7: Handling and storage:

### 7.1 Precautions for safe handling:

Keep receptacles tightly sealed.

Prevent formation of aerosols.

Store in cool, dry place in tightly closed receptacles.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Keep away from heat and direct sunlight.

### Information about fire - and explosion protection:

Keep ignition sources away- Do not smoke.

Highly volatile, flammable constituents are released during processing.

Fumes can combine with air to form an explosive mixture.

Flammable gas-air mixtures may form in empty receptacles. Protect from heat.

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## 7.2 Conditions for safe storage, including any incompatibilities:

### Storage:

#### Requirements to be met by storerooms and receptacles:

Store only in the original receptacle.

Store in a cool location.

#### Information about storage in one common storage facility:

Store away from oxidising agents.

Store away from foodstuffs.

#### Further information about storage conditions:

Keep container tightly sealed.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

**Storage class:** 3

## 7.3 Specific end use(s):

No further relevant information available.

## 8 SECTION 8: Exposure controls/personal protection:

### 8.1 Control parameters:

#### Ingredients with limit values that require monitoring at the workplace:

##### 64-17-5 ethanol

OEL Short-term value: 1000 ppm

##### 78-93-3 butanone

OEL Short-term value: 900 mg/m<sup>3</sup>, 300 ppm

Long-term value: 600 mg/m<sup>3</sup>, 200 ppm

Sk, IOELV

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**8.2 Exposure controls:**

**Appropriate engineering controls:** No further data; see section 7.

**Individual protection measures, such as personal protective equipment:**

**General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Do not eat or drink while working.

Avoid contact with the eyes and skin.

Immediately remove all soiled and contaminated clothing.

Do not inhale gases | fumes | aerosols.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

**Respiratory protection:**

Use suitable respiratory protective device in case of insufficient ventilation.

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Filter A

**Hand protection:**

Protective gloves

Check the permeability prior to each renewed use of the glove.

**Material of gloves:**

Butyl rubber, BR. Recommended thickness of the material:  $\geq 0.5$  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 through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye/face protection:** Tightly sealed goggles

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## 9 SECTION 9: Physical and chemical properties:

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

#### General Information:

<b>Physical state:</b>	Fluid
<b>Colour:</b>	Colourless
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.
<b>Melting point/freezing point:</b>	-114.5 °C
<b>Boiling point or initial boiling point and boiling range:</b>	78 °C (64-17-5 ethanol)
<b>Flammability:</b>	Highly flammable.
<b>Lower and upper explosion limit:</b>	
<b>Lower:</b>	3.5 Vol % (64-17-5 ethanol)
<b>Upper:</b>	15 Vol % (64-17-5 ethanol)
<b>Flash point:</b>	13 °C (64-17-5 ethanol)
<b>Auto-ignition temperature:</b>	425 °C (64-17-5 ethanol)
<b>Decomposition temperature:</b>	Not determined.
<b>pH:</b>	Mixture is non-polar/aprotic.
<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>	59 hPa (64-17-5 ethanol)
<b>Density and/or relative density:</b>	
<b>Density at 20 °C:</b>	~0.79 g/cm <sup>3</sup>
<b>Relative density:</b>	Not determined.
<b>Vapour density:</b>	Not determined.



**9.2 Other information:****Appearance:****Form:** Fluid**Important information on protection of health and environment, and on safety:****Ignition temperature:** Product is not selfigniting.**Explosive properties:** Product is not explosive. However, formation of explosive air/vapour mixtures are possible.**Change in condition:****Evaporation rate:** Not determined.**Information with regard to physical hazard classes:****Explosives:** Void**Flammable gases:** Void**Aerosols:** Void**Oxidising gases:** Void**Gases under pressure:** Void**Flammable liquids:** Highly flammable liquid and vapour.**Flammable solids:** Void**Self-reactive substances and mixtures:** Void**Pyrophoric liquids:** Void**Pyrophoric solids:** Void**Self-heating substances and mixtures:** Void**Substances and mixtures, which emit flammable gases in contact with water:****Oxidising liquids:** Void**Oxidising solids:** Void**Organic peroxides:** Void**Corrosive to metals:** Void**Desensitised explosives:** Void



## 10 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:

Forms explosive gas mixture with air.

Reacts with oxidising agents.

Reacts with alkaline metals.

Reacts with earth alkaline metals.

### 10.4 Conditions to avoid:

No further relevant information available.

### 10.5 Incompatible materials:

No further relevant information available.

### 10.6 Hazardous decomposition products:

No further relevant information available.

## 11 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/LCS0 values relevant for classification:

##### 64-17-5 ethanol

Oral LD50 7.060 mg/kg (rat)

Inhalative LC50/4 h 20.000 mg/l (rat)

**Skin corrosion/irritation:** Based on available data, the classification criteria are not met.

**Serious eye damage/irritation:** Causes serious eye irritation.

#### Respiratory or skin sensitisation:

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

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

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

**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:

78-93-3 butanone: List II

## 12 SECTION 12: Ecological information:

### 12.1 Toxicity:

**Aquatic toxicity:** No further relevant information available.

### 12.2 Persistence and degradability:

No further relevant information available.

### 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:

For information on endocrine disrupting properties see section 11.

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**12.7 Other adverse effects:****Additional ecological information:****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 course or sewage system.

**13 SECTION 13: Disposal considerations:****13.1 Waste treatment methods:****Recommendation:**

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

**European waste catalogue:**

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Uncleaned packaging:**

**Recommendation:** Disposal must be made according to official regulations.

**Recommended cleansing agents:** Water, if necessary together with cleansing agents.

**14 SECTION 14: Transport information:****14.1 UN number or ID number:**

**ADR, IMDG, IATA** UN1170

**14.2 UN proper shipping name:**

**ADR** 1170 ETHANOL (ETHYLALKOHOL)

**IMDG** ETHANOL (ETHYL ALCOHOL)

**IATA** ETHANOL

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### 14.3 Transport hazard class(es):

ADR, IMDG, IATA



**Class:** 3 Flammable liquids.

**Label:** 3

### 14.4 Packing group:

ADR, IMDG, IATA II

### 14.5 Environmental hazards:

Not applicable.

### 14.6 Special precautions for user:

Warning: Flammable liquids.

**Hazard identification number (Kemler code):** 33

**EMS Number:** F-E, S-D

**Stowage Category:** A

### 14.7 Maritime transport in bulk according to IMO instruments:

Not applicable.

### Transport/Additional information:

ADR

**Limited quantities (LQ):** 1L

**Transport category:** 2

**Tunnel restriction code:** D/E

**UN „Model Regulation“:** UN 1170 ETHANOL (ETHYLALKOHOL), 3, II

**15 SECTION 15: Regulatory information:****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:****Directive 2012/18/EU:****Named dangerous substances - ANNEX I:** None of the ingredients is listed.**Seveso category:** P5c FLAMMABLE LIQUIDS**Qualifying quantity (tonnes) for the application of lower-tier requirements:** 5.000 t**Qualifying quantity (tonnes) for the application of upper-tier requirements:** 50.000 t**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:**

None of the ingredients is listed.

**REGULATION (EU) 2019/1148:****Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3)):**

None of the ingredients is listed.

**Annex 11- REPORTABLE EXPLOSIVES PRECURSORS:**

None of the ingredients is listed.

**Regulation (EC) No 273/2004 on drug precursors:**

78-93-3 butanone: 3

**Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors:**

78-93-3 butanone: 3

**15.2 Chemical safety assessment:**

A Chemical Safety Assessment has not been carried out.

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## 16 SECTION 16: Other information:

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

### Relevant phrases:

- H225 Highly flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
EUH066 Repeated exposure may cause skin dryness or cracking.

### Abbreviations and acronyms:

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

IMDG: International maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids - Category 2

Eye irrit. 2: Serious eye damage/eye irritation - Category 2

STOT SE 3: Specific target organ toxicity (single exposure) - Category 3

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