

according to 2001/58 EC

3073311

Reviewed on: 30/06/2021

Printing date: 30/06/2021

01 Identification of the substance/mixture and of the company/undertaking

- **Product identifier**

- *Trade name:*
AC PATINIERTINKTUR 4601-00

- Article number / Safety Data Sheet:
460100

- **Details of the supplier of the safety data sheet**

- *Manufacturer/Supplier:*

- Teknos AG

- Industriestrasse 7

- LI-9487 Gamprin-Bendern

- T +423 375 94 00

- F +423 375 94 99

- *Further information obtainable from:*

- Product safety department. e-mail address: li-sdb@teknos.com

- *Emergency telephone number:*

- Swiss Toxicological Information Centre, CH-8032 Zürich Emergency telephone: +41 (0)44 251 51 51 (International)

02 Hazards identification

- *Classification of the substance or mixture*



GHS02

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



GHS07

Acute Tox. 4 - H332 Harmful if inhaled.

Eye Irrit. 2A - H319 Causes serious eye irritation.

STOT SE 3 - H336 May cause drowsiness or dizziness.

Acute Tox. 5 - H303 May be harmful if swallowed.

- *Label elements*

- GHS label elements

- Hazard pictograms



GHS02

GHS07

- Signal word

- Danger

- Hazard statements

- H225 Highly flammable liquid and vapour.

- H332 Harmful if inhaled.

- H319 Causes serious eye irritation.

- H336 May cause drowsiness or dizziness.

- H303 May be harmful if swallowed.

- Precautionary statements

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

- P233 Keep container tightly closed.

- P240 Ground/bond container and receiving equipment.

- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water shower.

- P403+P233 Store in a well-ventilated place. Keep container tightly closed.

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

RC

(continued on page 2)

according to 2001/58 EC

3073311

Reviewed on: 30/06/2021

Printing date: 30/06/2021

PRODUCT : AC PATINIERTINKTUR 4601-00

(continued of page 1)

03 Composition/information on ingredients

- **Chemical characterization: Mixtures**

- **Description:**

Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS Number		%
78-93-3	butanone EC number: 201-159-0 ☠ Flam. Liq. 2 - H225; ⚠ Eye Irrit. 2A - H319, STOT SE 3 - H336	40,00- 60,00
107-98-2	1-methoxy-2-propanol EC number: 203-539-1 ☠ Flam. Liq. 3 - H226; ⚠ STOT SE 3 - H336	40,00- 60,00
1589-47-5	2-methoxypropanol EC number: 216-455-5 ⚠ Eye Dam. 1 - H318; ⚠ Repr. 1B - H360; ☠ Flam. Liq. 3 - H226; ⚠ Skin Irrit. 2 - H315, STOT SE 3 - H335	0,00- 0,50

04 First aid measures

- **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. Then consult a doctor.

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

- **After swallowing:**

Do not induce vomiting; call for medical help immediately.

05 Firefighting measures

- **Suitable extinguishing agents:**

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- **For safety reasons unsuitable extinguishing agents:**

Water with full jet

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

Formation of toxic gases is possible during heating or in case of fire.

- **Protective equipment:**

Mouth respiratory protective device.

Do not inhale explosion gases or combustion gases.

- **Additional information**

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

06 Accidental release measures

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

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

- **Environmental precautions:**

Do not allow product to reach sewage system or any water course.

(continued on page 3)

according to 2001/58 EC

3073311

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Printing date: 30/06/2021

PRODUCT : AC PATINIERTINKTUR 4601-00

(continued of page 2)

- Prevent seepage into sewage system, workpits and cellars.
 Inform respective authorities in case of seepage into water course or sewage system.
 Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
 Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
 Ensure adequate ventilation.
 - **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.

07 Handling and storage

- **Handling:**
- **Precautions for safe handling**
 Ensure good ventilation/exhaustion at the workplace.
 Prevent formation of aerosols.
 Take note of emission threshold.
 Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
- **Information about fire - and explosion protection:**
 Keep ignition sources away - Do not smoke.
 Protect against electrostatic charges.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
 Store in a cool location.
 Store only in the original receptacle.
- **Information about storage in one common storage facility:**
 Not required.
- **Further information about storage conditions:**
 Keep container tightly sealed.
 Store in cool, dry conditions in well sealed receptacles.
 Protect from heat and direct sunlight.
- **Specific end use(s)**
 No further relevant information available.

08 Exposure controls/personal protection

- **Ingredients with limit values that require monitoring at the workplace:**

78-93-3 butanone

OEL

Short-term value	600	mg/m3
Long-term value	300	mg/m3

- **Additional information:**
 The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 The usual precautionary measures are to be adhered to when handling chemicals.
 Keep away from foodstuffs, beverages and feed.
 Immediately remove all soiled and contaminated clothing
 Do not inhale gases / fumes / aerosols.
 Avoid contact with the eyes.
 Avoid contact with the eyes and skin.
 Do not eat or drink while working.
 Be sure to clean skin thoroughly after work and before breaks.
- **Respiratory protection:** 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. Suitable respiratory protective device recommended.
- **Protection of hands:** The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation Protective gloves Impervious gloves
- Material of gloves

(continued on page 4)

according to 2001/58 EC

3073311

Reviewed on: 30/06/2021

Printing date: 30/06/2021

PRODUCT : AC PATINIERTINKTUR 4601-00

(continued of page 3)

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.
- The determined penetration times according to EN 374 part III are not performed under practical conditions. Therefore a maximum wearing time, which corresponds to 50% of the penetration time, is recommended.
- *Eye protection: Safety glasses Tightly sealed goggles*
- *Body protection: Protective work clothing*

09 Physical and chemical properties

Appearance		
Appearance:		
Form:	Liquid	
Colour:	According to product specifica	
Odour:	Characteristic Characteristic	
Odour threshold:	Not determined.	
Change in condition		
Boiling point/Boiling range:	79 °C	
Flash point:	-4 °C c.c.	
Flammability (solid, gaseous):	Not applicable.	
Ignition temperature:	270 °C	
Decomposition temperature:	Not determined.	
Self-igniting:	Not determined.	
Danger of explosion:	Not determined.	
Explosion limits:		
Lower:	1 Vol %	
Upper:	20 Vol %	
Vapour pressure:	at 20 °C	12,0000 mbar
Density:	0,8700 g/cm3	
Solubility in / Miscibility with water:		
	Not determined.	
Viscosity:		
.	Not determined.	
.	at 20 °C	
Other information	No further relevant information available.	

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Incompatible materials:**
No further relevant information available.
- **Hazardous decomposition products:**
No dangerous decomposition products known.

RC

(continued on page 5)

according to 2001/58 EC

3073311

Reviewed on: 30/06/2021

Printing date: 30/06/2021

PRODUCT : AC PATINIERTINKTUR 4601-00*(continued of page 4)***11 Toxicological information**

- **Acute toxicity:**
- *LD/LC50 values relevant for classification:*
- 78-93-3 butanone**
Oral, LD50: 3300 mg/kg (rat) Dermal, LD50: 5000 mg/kg (Rabbit) Oral, LD50: 5660 mg/kg (rat) Dermal, LD50: 13000 mg/kg (Rabbit) Inhalative, LC50/4h: 6 mg/l (rat)
- 107-98-2 1-methoxy-2-propanol**
- *Primary irritant effect:*
- on the skin:
No irritant effect.
- on the eye:
Irritating effect.
- *Sensitization:*
No sensitising effects known.
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Irritant

12 Ecological information

- *Aquatic toxicity:*
No further relevant information available.
- **Persistence and degradability**
No further relevant information available.
- **Behaviour in environmental systems:**
- *Bioaccumulative potential*
No further relevant information available.
- **Additional ecological information:**
- *General notes:*
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

13 Disposal considerations

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

14 Transport information

- **UN-Number**
- ADR UN1263
- IMDG UN1263
- IATA UN1263
- **UN proper shipping name**
- ADR 1263 PAINT
- IMDG PAINT
- IATA PAINT
- **Transport hazard class(es)**
- ADR
- Class 3 Flammable liquids.

(continued on page 6)

according to 2001/58 EC

3073311

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PRODUCT : AC PATINIERTINKTUR 4601-00*(continued of page 5)***Label****3****IMDG****Class**

3 Flammable liquids.

Label**3****IATA****Class**

3 Flammable liquids.

Label**3**

- **Packing group**

ADR

II

IMDG

II

IATA

II

- **Environmental hazards:**

Not applicable.

- **Special precautions for user**

Warning: Flammable liquids.

Danger code (Kemler):

33

EMS Number:

F-E,S-E

- **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

- **Transport/Additional information:**

Not applicable.

Excepted quantities (EQ):

E2

Limited quantities (LQ)

5L

Transport category

2

Tunnel restriction code

D/E

IMDG**Limited quantities (LQ)**

5L

Excepted quantities (EQ)

E2

- **UN "Model Regulation":**

UN 1263 PAINT, 3, II

15 Regulatory information

- **National regulations:**

- **Classification according to VbF:**

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(continued on page 7)

according to 2001/58 EC

3073311

Reviewed on: 30/06/2021

Printing date: 30/06/2021

PRODUCT : AC PATINIERTINKTUR 4601-00

(continued of page 6)

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

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.
H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H360	May damage fertility or the unborn child.

- **Department issuing MSDS:**

Environment protection department.

- **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

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)

VbF: Verordnung über brennbare Flüssigkeiten, Österreich (Ordinance on the storage of combustible liquids, Austria)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

- * Data compared to the previous version altered.