

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

schülke →

KODAN Tinktur fort.gefärbt

No Change Service!

Version 01.06

Revision Date 17.05.2010

Print Date 17.05.2010

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product information

Trade name : KODAN Tinktur fort.gefärbt
Producer/Supplier : Schülke & Mayr GmbH
Robert-Koch-Str. 2
22851 Norderstedt
Germany
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mail@schuelke.com
www.schuelke.com

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+49 (0)40/ 521 00 544 (Schülke UK +44 114 254 3500)
pab@schuelke.com

Emergency telephone : +49 (0)40 / 52 100 –0

Application : Medicinal products

2. HAZARDS IDENTIFICATION

Risk advice to man and the environment

ICAO-Labels / Indication of danger:

Xi Irritant
R10 Flammable.
R36 Irritating to eyes.
R67 Vapours may cause drowsiness and dizziness.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : (Preparation)
Solution of the following substances with harmless additives.

Components	CAS-No.	EC-No.	Symbol	R-phrase(s)	Concentration
Propan-2-ol	67-63-0	200-661-7	F, Xi	R11, R36, R67	45 %
Propan-1-ol	71-23-8	200-746-9	F, Xi	R11, R41, R67	10 %

For the full text of the R-phrases mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

Eye contact : In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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Inhalation : Move to fresh air.
Ingestion : Obtain medical attention.

5. FIRE-FIGHTING MEASURES

Special protective equipment for fire-fighters : No special precautions required.
Suitable extinguishing media : Water, Dry powder, Carbon dioxide (CO₂), Alcohol-resistant foam
Extinguishing media which shall not be used for safety reasons : No information available.
Specific risk from the substance or the product itself, its combustion products or evolved gases : **Vapours may form explosive mixtures with air.**

6. ACCIDENTAL RELEASE MEASURES

Personal precautions : Ensure adequate ventilation. Remove all sources of ignition.
Environmental precautions : No special environmental precautions required.
Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece). Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

7. HANDLING AND STORAGE

Handling

Safe handling advice : Do not smoke.
Advice on protection against fire and explosion : The hot product gives off combustible vapours. Keep away from sources of ignition - No smoking.

Storage

Requirements for storage areas and containers : **Store at room temperature in the original container. Keep at temperature not exceeding 25 °C.**
Further information : Keep away from direct sunlight. Keep container tightly closed.
Advice on common storage : Keep away from food and drink.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value	Basis
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Propan-2-ol	67-63-0	Permissible exposure limit: 500 mg/m ³ Permissible exposure limit: 200 ppm	TRGS 900
Propan-2-ol	67-63-0	Ceiling Limit Value: 1.000 mg/m³ Ceiling Limit Value: 400 ppm	TRGS 900
Propan-2-ol	67-63-0	Permissible exposure limit: 980 mg/m ³ Permissible exposure limit: 400 ppm	OSHA
Propan-1-ol	71-23-8	Permissible exposure limit: 500 mg/m ³ Permissible exposure limit: 200 ppm	OSHA

Personal protective equipment

Eye protection : If splashes are likely to occur, wear:, Safety glasses
Hygiene measures : Keep away from food and drink.
Protective measures : Avoid contact with eyes.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form : liquid
Colour : brown
Odour : alcohol-like

Other data

solidification range : < -5 °C
Initial boiling point : ca. 80 °C
Flash point : 24 °C
Method: DIN 51755 Part 1
Ignition temperature : Propan-2-ol
425 °C
Upper explosion limit : Propan-2-ol
12 %(V)
Lower explosion limit : Propan-2-ol
2 %(V)
Vapour pressure : ca.42 hPa at 20 °C
Density : ca.0,90 g/cm³ at 20 °C

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Water solubility : at 20 °C
in all proportions

pH : 7 - 9 at 100 g/l (20 °C)

flow time : < 15 s at 20 °C
Method: DIN 53211

10. STABILITY AND REACTIVITY

Hazardous reactions : Vapours may form explosive mixture with air.

Hazardous decomposition products : None reasonably foreseeable.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 rat > 15000 mg/kg

Skin irritation : Influence on wound healing (rat): No negative influence was observed at any time during the healing process
Method: Patch Test 24 Hrs. on humans: No detectable irritation.

Eye irritation : rabbit, Mildly irritant - does not need to be labelled

12. ECOLOGICAL INFORMATION

Biodegradability : biodegradable

Further information : Avoid subsoil penetration.

13. DISPOSAL CONSIDERATIONS

Product : Dispose of the product according to the defined EWC (European Waste Code) No.

Contaminated packaging : Take empty packaging to the recycling plant.

Waste key for the unused product : EWC 070604

Waste key for the unused product(Group) : Waste material of HZVA from fats, lubricants, soaps, detergents, disinfectants and personal protection products.

14. TRANSPORT INFORMATION

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ADR : UN-Number 1987 

Class 3
Classification Code F1
Packaging group III
ADR/RID-Labels 3
ICAO-Labels 30
Description of the goods ALCOHOLS, N.O.S. (Propan-2-ol, Propan-1-ol)

IMDG : UN-Number 1987 

Class 3
EmS F-E, S-D
Packaging group III
Marine pollutant --
Description of the goods ALCOHOLS, N.O.S. (Propan-2-ol, Propan-1-ol)

IATA : UN-Number 1987 

Class 3
Packaging group III
Description of the goods ALCOHOLS, N.O.S. (Propan-2-ol, Propan-1-ol)

15. REGULATORY INFORMATION

General advice : The product is classified and labelled in accordance with EC directives or respective national laws.

Symbol : 

Xi
Irritant

R-phrases : R10 Flammable.
R36 Irritating to eyes.
R67 Vapours may cause drowsiness and dizziness.

S-phrases : S25 Avoid contact with eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

National legislation

Legislation on the control of major-accident hazards : The product belongs to at least one of the categories 1 through 11 mentioned in Annex 1 of the Directive 1996/82/EC

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involving dangerous
substances

concerning the control of major accident hazards.

Volatile organic compounds : 55 %
(VOC) content

Directive 1999/13/EC on the limitation of emissions of volatile
organic compounds

16. OTHER INFORMATION

Text of R-phrases mentioned in Section 3

R11	Highly flammable.
R36	Irritating to eyes.
R41	Risk of serious damage to eyes.
R67	Vapours may cause drowsiness and dizziness.

The information given is only of use for possible safety requirements and is based on our actual knowledge. This information does not guarantee any properties. It is the responsibility of the receiver / user of our products to follow existing laws and regulations.

|| Changes compared with the previous edition!!!