

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

**schülke** 

**KODAN Forte colourless**

**No Change Service!**

Version 01.08

Revision Date 15.05.2010

Print Date 17.05.2010

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

### Product information

Trade name : KODAN Forte colourless  
Producer/Supplier : Schülke & Mayr GmbH  
Robert-Koch-Str. 2  
22851 Norderstedt  
Germany  
Telephone: +4940521000  
Telefax: +494052100318  
mail@schuelke.com  
www.schuelke.com

Contact person : Application Department HI  
+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 (CO<sub>2</sub>), 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 : Keep away from sources of ignition - No smoking. The hot product gives off combustible vapours.

### 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. Do not store together with oxidising agents.

## 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 <sup>3</sup> Permissible exposure limit: 200 ppm	TRGS 900
Propan-2-ol	67-63-0	Ceiling Limit Value: 1.000 mg/m <sup>3</sup> Ceiling Limit Value: 400 ppm	TRGS 900
Propan-2-ol	67-63-0	Permissible exposure limit: 980 mg/m <sup>3</sup> Permissible exposure limit: 400 ppm	OSHA
Propan-1-ol	71-23-8	Permissible exposure limit: 500 mg/m <sup>3</sup> 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 : colourless  
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/cm<sup>3</sup> at 20 °C

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Water solubility : at 20 °C  
in all proportions

pH : 7 - 9 at 100 g/l

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

## 10. STABILITY AND REACTIVITY

Hazardous reactions : Vapours may form explosive mixture with air. Reaction with oxidising agents

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.

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## 14. TRANSPORT INFORMATION

**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-phrase(s) : R10 Flammable.  
R36 Irritating to eyes.  
R67 Vapours may cause drowsiness and dizziness.

S-phrase(s) : 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 involving dangerous substances : The product belongs to at least one of the categories 1 through 11 mentioned in Annex 1 of the Directive 1996/82/EC concerning the control of major accident hazards.

Volatile organic compounds (VOC) content : 55 %  
Directive 1999/13/EC on the limitation of emissions of volatile organic compounds

VOC-Content : 0,55 kg/kg  
Switzerland. VOC Ordinance, Annex II (Products)

**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!!!