

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

**Kodan wipes**      **No Change Service!**

Version 01.00

Revision Date 11.05.2009

Print Date 12.05.2010

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

### Product information

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

Contact person : Product / Application advice  
+49 (0)40/ 521 00 666  
pab@schuelke.com

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

Application : Disinfectants, Biocidal product type: 1, Biocidal product type: 2,  
Biocidal product type: 4

## 2. HAZARDS IDENTIFICATION

### Risk advice to man and the environment

Flammable.  
Contact with the eyes can cause irritation.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS OF THE ACTIVE SOLUTION

Chemical nature : (Preparation)  
Aqueous, alcohol containing solution on cellulose wipes

Components	CAS-No.	EC-No.	Symbol	R-phrase(s)	Concentration
Propan-2-ol	67-63-0	200-661-7	F, Xi	R11, R36, R67	30 %
Propan-1-ol	71-23-8	200-746-9	F, Xi	R11, R41, R67	30 %

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

## 4. FIRST AID MEASURES

Eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

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## 5. FIRE-FIGHTING MEASURES

- Special protective equipment for fire-fighters : No special precautions required.
- Suitable extinguishing media : Water, Dry powder, Alcohol-resistant foam, Carbon dioxide (CO<sub>2</sub>)
- 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 : No special risks to be expected.

## 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Remove all sources of ignition.
- Environmental precautions : No special environmental precautions required.
- Methods for cleaning up : Use mechanical handling equipment.

## 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.

### Storage

- Requirements for storage areas and containers : Store at room temperature in the original container. Do not store at temperatures above 30°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
Propan-2-ol	67-63-0	AGW: 500 mg/m <sup>3</sup> AGW: 200 ppm	TRGS 900

### Personal protective equipment

- Hygiene measures : Keep away from food and drink.
- Protective measures : Avoid contact with eyes.

## 9. PHYSICAL AND CHEMICAL PROPERTIES OF THE ACTIVE SOLUTION

### Appearance

- Form : liquid
- Colour : colourless
- Odour : alcoholic

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## Other data

solidification range	:	< -5 °C
Initial boiling point	:	ca. 80 °C
Flash point	:	26 °C Method: DIN 51755 Part 1
Ignition temperature	:	Propan-1-ol 412 °C
Upper explosion limit	:	Propan-2-ol 12 %(V)
Lower explosion limit	:	Propan-2-ol 2 %(V)
Vapour pressure	:	ca.50 hPa at 20 °C
Density	:	ca.0,89 g/cm <sup>3</sup> at 20 °C
Water solubility	:	at 20 °C in all proportions
pH	:	ca.5 at 1.000 g/l ( 20 °C)

## 10. STABILITY AND REACTIVITY

Hazardous reactions	:	None reasonably foreseeable.
Hazardous decomposition products	:	None reasonably foreseeable.

## 11. TOXICOLOGICAL INFORMATION OF THE ACTIVE SOLUTION

Acute oral toxicity	:	LD50 rat > 3000 mg/kg Method: calculated
Further information	:	The product has not been tested. The classification was made according to the calculation procedure of the Preparations Directive.

## 12. ECOLOGICAL INFORMATION OF THE ACTIVE SOLUTION

Biodegradability	:	biodegradable
Chemical Oxygen Demand (COD)	:	15040 mg/l Test substance: 1% solution

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## 13. DISPOSAL CONSIDERATIONS

Product : Can be incinerated or landfilled together with household waste in compliance with the regulations, and after consultation with the waste disposal services.

Contaminated packaging : Take empty packaging to the recycling plant.

## 14. TRANSPORT INFORMATION

<b>ADR</b>	: UN-Number	3175	
	Class	4.1	
	Classification Code	F1	
	Packaging group	II	
	ADR/RID-Labels	4.1	
	ICAO-Labels	40	
	Description of the goods	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Propan-1-ol, Propan-2-ol)	
<b>IMDG</b>	: UN-Number	3175	
	Class	4.1	
	EmS	F-A, S-I	
	Packaging group	II	
	Marine pollutant	--	
	Description of the goods	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Propan-1-ol, Propan-2-ol)	
<b>IATA</b>	: UN-Number	3175	
	Class	4.1	
	Packaging group	II	
	Description of the goods	SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S. (Propan-1-ol, Propan-2-ol)	

## 15. REGULATORY INFORMATION

General advice : In the EU, this product falls under the Directive on biocide products 98/8/EC. The product is classified and labelled in accordance with EC directives or respective national laws.

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Symbol	:	
R-phrases(s)	:	Xi Irritant (applies to Switzerland only) R10 Flammable.
R-phrases(s)	:	R41 Risk of serious damage to eyes. (applies to Switzerland only)
S-phrases(s)	:	S 2 Keep out of the reach of children.
S-phrases(s)	:	S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. (applies to Switzerland only)

## National legislation

Legislation on the control of major-accident hazards involving dangerous substances	:	Directive 96/82/EC does not apply
Volatile organic compounds (VOC) content	:	60 % of the active solution, Directive 1999/13/EC on the limitation of emissions of volatile organic compounds
VOC-Content	:	0,44 kg/kg Switzerland. VOC Ordinance, Annex II (Products)
Switzerland	:	Registration number: CHZB0500

## 16. OTHER INFORMATION

Application : Information on uses can be found in a separate preparation / product brochure.

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!!!