

# SAFETY DATA SHEET

## Kohrsolin FF Tissues

Version 1.8      Revision Date: 15.08.2022      SDS Number: R11582      Date of last issue: 24.05.2022  
Date of first issue: 24.04.2014

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Kohrsolin FF Tissues

#### Manufacturer or supplier's details

Manufacturer : BODE Chemie GmbH  
Melanchthonstraße 27  
22525 Hamburg (Germany)  
Tel.: +49 (0)40 / 54 00 60

Supplier :

Responsible Department : Scientific Affairs  
sds@bode-chemie.de

Emergency telephone number : Giftnotruf Göttingen  
24h-Phone +49 (0)551 / 1 92 40

#### Recommended use of the chemical and restrictions on use

Recommended use : In-door use  
Disinfectants and algacides not intended for direct application to humans or animals  
For further information, refer to the product technical data sheet.

Restrictions on use : Restricted to professional users.

Lieferant / Supplier:  
Carl Roth GmbH + Co KG  
Schoemperlenstr. 3-5  
76185 Karlsruhe, Germany  
+49 721 5606 0  
sicherheit@carlroth.de

### 2. HAZARDS IDENTIFICATION

#### GHS Classification

Not a hazardous substance or mixture.

#### GHS label elements

Not a hazardous substance or mixture.

#### Other hazards which do not result in classification

None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Chemical nature : Aqueous solution

#### Components

Chemical name	CAS-No.	Concentration (% w/w)
Didecyltrimethylammonium chloride	7173-51-5	$\geq 0,025$ - $< 0,1$
Alkyl (C12-18) dimethylbenzyl ammonium chloride (ADBAC (C12-18))	68391-01-5	$\geq 0,025$ - $< 0,1$

### 4. FIRST AID MEASURES

General advice : If you feel unwell, seek medical advice (show the label where possible).

In case of skin contact : Wash off with soap and water.

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In case of eye contact	:	Immediately flush eye(s) with plenty of water.
Most important symptoms and effects, both acute and delayed	:	None known.
Notes to physician	:	For specialist advice physicians should contact the Poisons Information Service.

### 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Hazardous combustion products	:	No hazardous combustion products are known
Special protective equipment for firefighters	:	Use personal protective equipment. In the event of fire, wear self-contained breathing apparatus.

### 6. ACCIDENTAL RELEASE MEASURES

Environmental precautions	:	Should not be released into the environment.
Methods and materials for containment and cleaning up	:	Use mechanical handling equipment.

### 7. HANDLING AND STORAGE

Advice on protection against fire and explosion	:	No special protective measures against fire required.
Advice on safe handling	:	Avoid contact with eyes.
Conditions for safe storage	:	Store at room temperature in the original container. Keep tightly closed.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

#### Personal protective equipment

Respiratory protection	:	No personal respiratory protective equipment normally required.
Hand protection		
<u>Nitrile rubber</u>		
Material	:	Protective gloves complying with EN 374.
Break through time	:	> 480 min
Glove thickness	:	0,1 mm
Protective index	:	Class 6
Hygiene measures	:	Handle in accordance with good industrial hygiene and safety practice. Keep away from food and drink.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	Liquid absorbed by inert carrier material
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Colour	:	colourless
Odour	:	characteristic
pH	:	3,8 (20 °C)
Boiling point/boiling range	:	not determined
Flash point	:	does not flash
Flammability (solid, gas)	:	not auto-flammable
Vapour pressure	:	No data available
Density	:	1 g/cm <sup>3</sup> (20 °C)
Solubility(ies) Water solubility	:	completely miscible

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### 10. STABILITY AND REACTIVITY

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	The product is chemically stable.
Possibility of hazardous reactions	:	None reasonably foreseeable.
Conditions to avoid	:	Heat Strong sunlight for prolonged periods.
Incompatible materials	:	No data available

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### 11. TOXICOLOGICAL INFORMATION

#### Acute toxicity

Not classified based on available information.

#### Product:

Acute oral toxicity : Acute toxicity estimate: > 2.000 mg/kg

#### Components:

##### **Didecyldimethylammonium chloride (CAS: 7173-51-5):**

Acute oral toxicity : LD50 Oral (Rat): 238 mg/kg  
Acute dermal toxicity : LD50 Dermal (Rabbit): 3.342 mg/kg

##### **Alkyl (C12-18) dimethylbenzyl ammonium chloride (ADBAC (C12-18)) (CAS: 68391-01-5):**

Acute oral toxicity : LD50 (Rat): 344 mg/kg  
Acute dermal toxicity : LD50 (Rabbit): 3.412 mg/kg

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### Skin corrosion/irritation

Not classified based on available information.

#### Components:

##### **Didecyldimethylammonium chloride (CAS: 7173-51-5):**

Species	:	Rabbit
Exposure time	:	3 min
Method	:	OECD Test Guideline 404
Result	:	Corrosive after 3 minutes or less of exposure

##### **Alkyl (C12-18) dimethylbenzyl ammonium chloride (ADBAC (C12-18)) (CAS: 68391-01-5):**

Species	:	Rabbit
Result	:	Corrosive after 1 to 4 hours of exposure

### Serious eye damage/eye irritation

Not classified based on available information.

#### Components:

##### **Alkyl (C12-18) dimethylbenzyl ammonium chloride (ADBAC (C12-18)) (CAS: 68391-01-5):**

Species	:	Rabbit
Result	:	Corrosive

### Respiratory or skin sensitisation

#### **Skin sensitisation**

Not classified based on available information.

#### **Respiratory sensitisation**

Not classified based on available information.

#### Components:

##### **Alkyl (C12-18) dimethylbenzyl ammonium chloride (ADBAC (C12-18)) (CAS: 68391-01-5):**

Test Type	:	Maximisation Test
Species	:	Guinea pig
Method	:	OECD Test Guideline 406
Result	:	Did not cause sensitisation on laboratory animals.

### Germ cell mutagenicity

Not classified based on available information.

### Carcinogenicity

Not classified based on available information.

### Reproductive toxicity

Not classified based on available information.

#### **STOT - single exposure**

Not classified based on available information.

#### **STOT - repeated exposure**

Not classified based on available information.

### Repeated dose toxicity

No data available

### Aspiration toxicity

Not classified based on available information.

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### Experience with human exposure

No data available

### Toxicology, Metabolism, Distribution

No data available

### Neurological effects

No data available

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## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

#### Components:

##### **Didecyldimethylammonium chloride (CAS: 7173-51-5):**

Toxicity to fish	: LC50 (Pimephales promelas (fathead minnow)): 0,19 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): 0,062 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	: ErC50 ( Pseudokirchneriella subcapitata (green algae)): 0,026 mg/l Exposure time: 72 h Method: OECD Test Guideline 201
M-Factor (Acute aquatic toxicity)	: 10
Toxicity to fish (Chronic toxicity)	: NOEC: 0,032 mg/l Exposure time: 34 d Species: Danio rerio (zebra fish) Method: OECD Test Guideline 210
Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)	: NOEC: 0,014 mg/l Exposure time: 21 d Species: Daphnia magna (Water flea) Method: OECD Test Guideline 211

##### **Alkyl (C12-18) dimethylbenzyl ammonium chloride (ADBAC (C12-18)) (CAS: 68391-01-5):**

Toxicity to fish	: LC50 (Lepomis macrochirus (Bluegill sunfish)): 0,515 mg/l Exposure time: 96 h Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	: EC50 (Daphnia magna (Water flea)): 0,016 mg/l Exposure time: 48 h Method: OECD Test Guideline 202
Toxicity to algae/aquatic plants	: EC50 ( Pseudokirchneriella subcapitata (microalgae)): 0,049 mg/l Exposure time: 72 h Test Type: Cell multiplication inhibition test Method: OECD Test Guideline 201
M-Factor (Acute aquatic toxicity)	: 10
Toxicity to fish (Chronic toxicity)	: NOEC: 0,032 mg/l Exposure time: 34 d Species: Leuciscus idus (Golden orfe) Method: OECD Test Guideline 210

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Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 0,0042 mg/l  
Exposure time: 21 d  
Species: Daphnia magna (Water flea)  
Method: OECD Test Guideline 211

M-Factor (Chronic aquatic toxicity) : 1

### Persistence and degradability

#### Product:

Biodegradability : Remarks: The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

#### Components:

##### **Didecyldimethylammonium chloride (CAS: 7173-51-5):**

Biodegradability : Method: OECD Test Guideline 301B  
Remarks: Readily biodegradable, according to appropriate OECD test.

##### **Alkyl (C12-18) dimethylbenzyl ammonium chloride (ADBAC (C12-18)) (CAS: 68391-01-5):**

Biodegradability : Method: OECD Test Guideline 301B  
Remarks: According to the results of tests of biodegradability this product is considered as being readily biodegradable.

### Bioaccumulative potential

#### Components:

##### **Didecyldimethylammonium chloride (CAS: 7173-51-5):**

Partition coefficient: n-octanol/water : log Pow: 2,8 (20 °C)

#### **Mobility in soil**

No data available

#### **Other adverse effects**

No data available

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## 13. DISPOSAL CONSIDERATIONS

### **Disposal methods**

Waste from residues : In accordance with local and national regulations.  
Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

Contaminated packaging : Empty remaining contents.  
Store containers and offer for recycling of material when in accordance with the local regulations.

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## 14. TRANSPORT INFORMATION

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**ADR**

Not regulated as a dangerous good

**UNRTDG**

Not regulated as a dangerous good

**IATA-DGR**

Not regulated as a dangerous good

**IMDG-Code**

Not regulated as a dangerous good

**Transport in bulk according to IMO instruments**

Not applicable for product as supplied.

**Special precautions for user**

Not applicable

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### 15. REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Other international regulations**

**The components of this product are reported in the following inventories:**

TSCA : All substances listed as active on the TSCA inventory

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### 16. OTHER INFORMATION

**Safety datasheet sections which have been updated:**

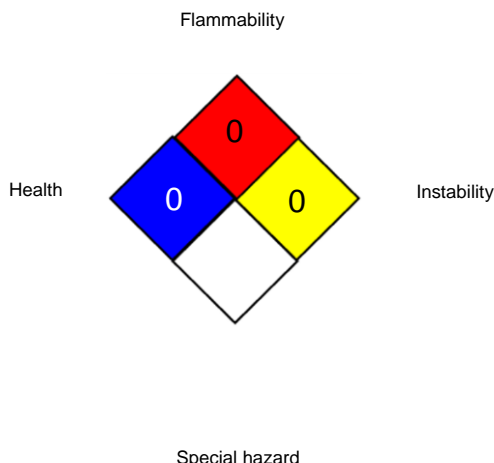
15. Regulatory information

**Further information**

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### NFPA:



### HMIS® IV:

HEALTH	/	0
FLAMMABILITY		0
PHYSICAL HAZARD		0

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

### Full text of other abbreviations

AIIIC - Australian Inventory of Industrial Chemicals; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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