

# SAFETY DATA SHEET

## Bacillol Tissues

Version 1.7      Revision Date: 26.03.2018      SDS Number: R11505      Date of last issue: 23.02.2018  
Date of first issue: 06.06.2014

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : Bacillol Tissues

Product code : R11505

#### Manufacturer or supplier's details

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

Supplier :

Responsible Department : Scientific Affairs  
Kundenservice@SIDA-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  
Food and feed area disinfectants

Restrictions on use : Restricted to professional users.

### 2. HAZARDS IDENTIFICATION

#### GHS Classification

Flammable liquids : Category 3

Serious eye damage/eye irritation : Category 2A

#### GHS label elements

Hazard pictograms :



Signal word : Warning

Hazard statements : H226 Flammable liquid and vapour.  
H319 Causes serious eye irritation.

Precautionary statements : **Prevention:**  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
**Response:**  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.

# SAFETY DATA SHEET

## Bacillol Tissues

### Other hazards which do not result in classification

None known.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture  
Substance name : Bacillol Tissues

#### Hazardous components

Chemical name	CAS-No.	Concentration (% w/w)
Propan-1-ol	71-23-8	$\geq 30$ - $< 50$
Propan-2-ol	67-63-0	$\geq 20$ - $< 30$
Ethanol	64-17-5	$\geq 1$ - $< 10$

### 4. FIRST AID MEASURES

General advice : If you feel unwell, seek medical advice (show the label where possible).  
In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes.  
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.  
Unsuitable extinguishing media : none  
Hazardous combustion products : No hazardous combustion products are known  
Specific extinguishing methods : Standard procedure for chemical fires.  
Special protective equipment for firefighters : Use personal protective equipment.

### 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation.  
Remove all sources of ignition.  
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 : Take measures to prevent the build up of electrostatic charge.  
Keep away from open flames, hot surfaces and sources of ignition.

# SAFETY DATA SHEET

## Bacillol Tissues

- Advice on safe handling : For personal protection see section 8.
- Conditions for safe storage : Store at room temperature in the original container.  
Keep tightly closed.
- Materials to avoid : Keep away from food and drink.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Propan-1-ol	71-23-8	TWA	100 ppm	ACGIH
Propan-2-ol	67-63-0	TWA	200 ppm	ACGIH
		STEL	400 ppm	ACGIH
Ethanol	64-17-5	STEL	1.000 ppm	ACGIH

#### Biological occupational exposure limits

Components	CAS-No.	Control parameters	Biological specimen	Sampling time	Permissible concentration	Basis
Propan-2-ol	67-63-0	Acetone	Urine	End of shift at end of workweek	40 mg/l	ACGIH BEI

#### Personal protective equipment

- Protective measures : No special protective equipment required.
- Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.  
Avoid contact with eyes.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance : Liquid absorbed by inert carrier material
- Colour : colourless
- Odour : pleasant
- pH : No data available
- Melting point/range : not determined
- Boiling point/boiling range : not determined
- Flash point : 25 °C  
Method: DIN 51755 Part 1
- Flammability (solid, gas) : No data available
- Lower explosion limit / Lower flammability limit : 2 %(V)
- Vapour pressure : 41 hPa (20 °C)
- Density : 0,86 g/cm<sup>3</sup> (20 °C)
- Solubility(ies)  
Water solubility : soluble

**Bacillol Tissues****10. STABILITY AND REACTIVITY**

Reactivity	:	No decomposition if stored and applied as directed.
Chemical stability	:	The product is chemically stable.
Possibility of hazardous reactions	:	No dangerous reaction known under conditions of normal use.
Conditions to avoid	:	Heat Strong sunlight for prolonged periods.
Incompatible materials	:	None.

**11. TOXICOLOGICAL INFORMATION****Acute toxicity****Components:****Propan-1-ol** (CAS: 71-23-8):

Acute oral toxicity : LD50 Oral (Rat): 8.000 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): > 33,8 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 Dermal (Rabbit): 4.032 mg/kg  
Method: OECD Test Guideline 402

**Propan-2-ol** (CAS: 67-63-0):

Acute oral toxicity : LD50 Oral (Rat): > 5.000 mg/kg

Acute dermal toxicity : LD50 Dermal (Rabbit): > 5.000 mg/kg

**Ethanol** (CAS: 64-17-5):

Acute oral toxicity : LD50 Oral (Rat): 10.470 mg/kg  
Method: OECD Test Guideline 401

Acute inhalation toxicity : LC50 (Rat): 51 mg/l  
Exposure time: 4 h  
Test atmosphere: vapour  
Method: OECD Test Guideline 403

Acute dermal toxicity : LD50 Dermal (Rabbit): > 15.800 mg/kg

**Skin corrosion/irritation****Product:**

Result: No skin irritation

**Components:****Propan-1-ol** (CAS: 71-23-8):

Species: Rabbit  
Method: OECD Test Guideline 404  
Result: No skin irritation

**Propan-2-ol** (CAS: 67-63-0):

Species: Rabbit  
Result: No skin irritation

# SAFETY DATA SHEET

## Bacillol Tissues

Ethanol (CAS: 64-17-5):

Species: human skin

Result: Mild skin irritation

Remarks: Based on available data, the classification criteria are not met.

### Serious eye damage/eye irritation

#### Product:

Result: Eye irritation

#### Components:

Propan-1-ol (CAS: 71-23-8):

Species: Rabbit

Method: OECD Test Guideline 405

Result: Irreversible effects on the eye

Propan-2-ol (CAS: 67-63-0):

Species: Rabbit

Result: Eye irritation

### Respiratory or skin sensitisation

#### Product:

Remarks: No data available

#### Components:

Propan-1-ol (CAS: 71-23-8):

Test Type: Maximisation Test

Species: Guinea pig

Method: OECD Test Guideline 406

Result: Did not cause sensitisation on laboratory animals.

Propan-2-ol (CAS: 67-63-0):

Test Type: Buehler Test

Species: Guinea pig

Result: Did not cause sensitisation on laboratory animals.

### Germ cell mutagenicity

#### Components:

Propan-1-ol (CAS: 71-23-8):

Genotoxicity in vitro : Test Type: in vitro assay  
Result: negative

Propan-2-ol (CAS: 67-63-0):

Genotoxicity in vitro : Test Type: Ames test  
Metabolic activation: with and without metabolic activation  
Result: negative

### Carcinogenicity

No data available

### Reproductive toxicity

No data available

**Bacillol Tissues****STOT - single exposure****Product:**

Remarks: No data available

**STOT - repeated exposure****Product:**

Remarks: No data available

**Repeated dose toxicity**

No data available

**Aspiration toxicity**

No data available

**Experience with human exposure**

No data available

**Toxicology, Metabolism, Distribution**

No data available

**Neurological effects**

No data available

---

**12. ECOLOGICAL INFORMATION****Ecotoxicity****Product:**

Toxicity to fish : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates : Remarks: No data available

Toxicity to algae : Remarks: No data available

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : Remarks: No data available

Toxicity to microorganisms : Remarks: No data available

**Components:**

Propan-1-ol (CAS: 71-23-8):

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 4.555 mg/l  
Exposure time: 96 h  
Test Type: flow-through test  
Method: OECD Test Guideline 203

Toxicity to daphnia and other aquatic invertebrates : EC50 (Daphnia magna (Water flea)): 3.644 mg/l  
Exposure time: 48 h  
Method: DIN 38412

Toxicity to algae : NOEC ( Chlorella pyrenoidosa (aglae)): 1.150 mg/l  
Exposure time: 48 h  
Test Type: Growth inhibition

# SAFETY DATA SHEET

## Bacillol Tissues

EC50 ( *Pseudokirchneriella subcapitata* (green algae)): 9.170 mg/l  
Exposure time: 72 h  
Test Type: Growth inhibition

Toxicity to microorganisms : IC50 (Bacteria): > 1.000 mg/l  
Exposure time: 3 h  
Method: OECD Test Guideline 209

Propan-2-ol (CAS: 67-63-0):

Toxicity to fish : LC50 (*Leuciscus idus* (Golden orfe)): > 100 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna* (Water flea)): > 100 mg/l  
Exposure time: 48 h

Toxicity to algae : EC50 ( *Scenedesmus capricornutum* (fresh water algae)): > 100 mg/l  
Exposure time: 72 h

Ethanol (CAS: 64-17-5):

Toxicity to fish : LC50 (Fish): 11.200 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : EC50 (*Daphnia magna* (Water flea)): 5.012 mg/l  
Exposure time: 48 h

Toxicity to algae : EC50 ( *Chlorella vulgaris* (Fresh water algae)): 275 mg/l  
Exposure time: 96 h  
Method: OECD Test Guideline 201

### Persistence and degradability

#### Product:

Biodegradability : Remarks: No data available

#### Components:

Ethanol (CAS: 64-17-5):

Biodegradability : Remarks: Readily biodegradable, according to appropriate OECD test.

### Bioaccumulative potential

#### Product:

Bioaccumulation : Remarks: No data available

### Mobility in soil

#### Product:

Distribution among environmental compartments : Remarks: No data available

### Other adverse effects

#### Product:

Adsorbed organic bound halogens (AOX) : Remarks: No data available

**Bacillol Tissues****13. DISPOSAL CONSIDERATIONS****Disposal methods**

- Waste from residues : Dispose of as hazardous waste in compliance 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.

**14. TRANSPORT INFORMATION****14.1 UN number**

- ADR** : UN 3175
- IMDG** : UN 3175
- IATA** : UN 3175

**14.2 UN proper shipping name**

- ADR** : SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.  
(N-PROPANOL, ISOPROPANOL)
- IMDG** : SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.  
(n-propanol, isopropanol)
- IATA** : SOLIDS CONTAINING FLAMMABLE LIQUID, N.O.S.  
(n-propanol, isopropanol)

**14.3 Transport hazard class(es)**

- ADR** : 4.1
- IMDG** : 4.1
- IATA** : 4.1

**14.4 Packing group**

- ADR**
- Packing group : II
- Classification Code : F1
- Hazard Identification Number : 40
- Labels : 4.1
- Tunnel restriction code : E

- IMDG**
- Packing group : II
- Labels : 4.1
- EmS Code : F-A, S-I

**IATA (Cargo)**

- Packing instruction (cargo aircraft) : 448
- Packing group : II
- Labels : Class 4 - Flammable Solid (Division 4.1)

**IATA (Passenger)**

- Packing instruction (passenger aircraft) : 445
- Packing group : II
- Labels : Class 4 - Flammable Solid (Division 4.1)

**14.5 Environmental hazards**



# SAFETY DATA SHEET

## Bacillol Tissues

### ADR

Environmentally hazardous : no

### IMDG

Marine pollutant : no

### 14.6 Special precautions for user

Not applicable

### 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

---

## 15. REGULATORY INFORMATION

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

**International Regulations**

---

## 16. OTHER INFORMATION

### Full text of other abbreviations

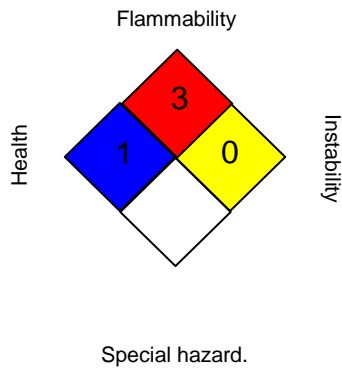
AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN - Standard of the German Institute 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; KECl - 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; 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

# SAFETY DATA SHEET

## BacilloI Tissues

### Further information

#### NFPA:



#### HMIS® IV:

HEALTH		1
FLAMMABILITY		3
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.

ACGIH	:	USA. ACGIH Threshold Limit Values (TLV)
ACGIH BEI	:	ACGIH - Biological Exposure Indices (BEI)
ACGIH / TWA	:	8-hour, time-weighted average
ACGIH / STEL	:	Short-term exposure limit

### Safety datasheet sections which have been updated:

2. Hazards identification

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.

TC / EN