

---

# Safety Data Sheet

T-047 Cleaning Tissue

BB med. product GmbH

According to EC Directive 91/155/EEC

Date: 08.03.2004

---

## 1. Identification of the substance/preparation and of the company/undertaking

### *Identification of the product*

Catalogue No.: T-047  
Product Name: Cleaning Tissue

### *Company/undertaking identification*

Company: BB med. product GmbH  
Wöhrmannstr. 15  
D-47546 Kalkar  
Emergency Telephone No.: +49 2824 2083-0; Telefax +49 2824 4877

## 2. Composition/information on ingredients

Chemical name: Isopropanol 70 %  
Synonyms: Isopropanol, Isopropyl alcohol  
Characterisation: cellulose paper soaked with cleaning liquid, sealed in a foil bag of Paper/Alu/PE or PET/Alu/PE

CAS-No.:	67-63-0	EC-Index-No.:	603-117-00-0
M:	60,10 g/mol	EG-Nummer:	200-661-7
EC-No.:	200-661-7	Formula Hill:	C <sub>3</sub> H <sub>8</sub> O
Chemical formula:	CH <sub>3</sub> CH(OH)CH <sub>3</sub>		

## 3. Hazards identification

Highly flammable. Irritating to eyes. Vapours may cause drowsiness and dizziness.

## 4. First aid measures

After inhalation: fresh air. Consult doctor if feeling unwell.

After skin contact: wash off with plenty of water. Remove contaminated clothing

After eye contact: rinse out with plenty of water. If pain persists, call in ophthalmologist.

After swallowing: making victim drink plenty of water, avoid vomiting (risk of aspiration!)

In case of spontaneous vomiting: Risk of aspiration. Pulmonary failure possible. Call in physician.

## 5. Fire-fighting measures

Suitable extinguishing media:  
Powder, foam.

Special risks:

Combustible. Vapours heavier than air. Forms explosive mixtures with air at ambient temperatures. Development of hazardous combustion gases or vapours possible in the event of fire.

Special protective equipment for fire fighting:

Do not stay in dangerous zone without suitable chemical protection clothing and self-contained breathing apparatus.

Other information:

Prevent fire-fighting water from entering surface water or groundwater. Take measures to prevent electrostatic charging. Keep away from sources of ignition. Cool container with spray water from a safe distance.

## 6. Accidental release measures

Person-related precautionary measures:

Do not inhale vapours/aerosols. Avoid substances contact. Ensure supply of fresh air in enclosed rooms.

Environmental-protection measures:

Do not allow to enter sewerage system; risk of explosion!

Procedures for cleaning/absorption:

Take up with liquid-absorbent material. Forward for disposal. Clean up affected area.

## 7. Handling and storage

### *Handling*

Notes for prevention of fire and explosion:

Take measures to prevent electrostatic charging. Keep away from sources of ignition.

Notes for safe handling:

Work under hood. Do not inhale substance. Avoid generation of vapours/aerosols.

### *Storage*

Tightly closed in a well-ventilated place, away from sources of ignition and heat. At +5 °C to + 30 °C.

Requirements for storage rooms and containers:

Do not use light-weight-metal containers.

**8. Exposure controls/ personal protection***Specific control parameter*

## BAT Germany (biol. Tolerance value)

Name:	2-Propanol
Parameter:	Acetone
Values:	50 mg/l
Test material:	blood
Test extraction, time:	b

Parameter:	Acetone
Values:	50 mg/l
Test material:	urine
Test extraction, time:	b

## TRGS 900

Name:	2-Propanol
Value:	200 ml/m <sup>3</sup> 500 mg/m <sup>3</sup>
Peak limit:	4 exceeding factor: 4-fold in 15 minutes
Embryotoxic:	Y Substances with which no foetotoxic risk is to be expected when observing the maximum allowable concentration (MAC Germany) and the biological tolerance value at the workplace (BAT Germany).

*Personal protective equipment*

Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Respiratory protection:	required when vapours/aerosols are generated.
Eye protection:	required
Hand protection:	required

## Industrial hygiene:

Immediately change contaminated clothing. Apply skin-protective barrier cream. Wash hands and face after working with substance.

**9. Physical and chemical properties**

Form:	liquid	
Colour:	colourless	
Odour:	alcohol-like	
pH value	(20°C)	neutral
Viscosity dynamic	(20°C)	not available
Melting Point		not available
Boiling Point		not available
Ignition temperature		425 °C *
Flash point		12 °C c.c. *
		17 °C o.c. *
Explosion limits	lower	2 Vol% *
	upper	12,7 Vol% *
Vapour pressure	(20°C)	43 hPa *
Relative vapour density		2,07 *
Density	(20°C)	0,871 – 0,882 (70%)
Solubility in		
water	(20°C)	soluble
ether		soluble

\* values refer to 99 % IPA

**10. Stability and reactivity***Conditions to be avoided*

Strong heating.

*Substances to be avoided*

Alkali metals, alkaline earth metals, aluminium, oxidizing agent (i.a. perchlorates, CrO<sub>3</sub>, nitric acid, nitrogen oxides, hydrogen peroxide), organic nitro compounds, aldehydes, amines, iron, fuming, sulphuric acid, phosphorus.

*Hazardous decomposition products*

With air Formation of peroxides possible.

*Further information*

Highly inflammable; hygroscopic;

Solvent for: oils, rubber;

Unsuitable working materials: various plastics, rubber;

Explosible with air in a vaporous/gaseous state.

**11. Toxicological information**

*All data refer to 99% IPA*

**Acute toxicity**

LC <sub>50</sub> (inhalation, rat)	46,5 mg/l/4h
LD <sub>50</sub> (dermal, rabbit)	12800 mg/kg
LD <sub>50</sub> (oral, rat)	5045 mg/kg
LDL <sub>0</sub> (oral, human)	3570 mg/kg

Specific symptoms in animal studies:

Skin irritation test (rabbit): Slight irritations.

Specific symptoms in animal studies:

Skin irritation test (rabbit): Slight irritations.

**Subacute to chronic toxicity**

Sensitization:

Sensitization test (guinea pig): negative.

An embryotoxic effect need not be feared when the threshold limit value is observed.

Noncarcinogenic in animal experiments.

Mutagenicity (mammal cell test): micronucleus negative.

Bacterial mutagenicity: Salmonella typhimurium: negative.

Bacterial mutagenicity: Ames test: negative.

No teratogenic effect in animal experiments.

**Further toxicological information**

After inhalation: Irritation symptoms in the respiratory tract. Drowsiness, drowsiness.

After skin contact: Degreasing effect on the skin, possibly followed by secondary inflammation.

After eye contact: Irritations.

After swallowing: After accidental swallowing the substance may pose a risk of aspiration. Passage into the lung (vomiting!) can result in a condition resembling pneumonia (chemical pneumonitis).

After absorption: headache, dizziness, inebriation, unconsciousness, narcosis.

After uptake of large quantities: respiratory paralysis, coma.

**Further data**

The product should be handled with the care usual when dealing with chemicals.

## 12. Ecological information

Abiotic degradation:

Rapid degradation (air)

Biologic degradation:

Biodegradation: 95 % / 21 d modified OECD screening test

Readily biodegradable.

Behavior in environmental compartments:

Distribution: log P(o/w): 0,05 (experimental)

No bioaccumulation is to be expected (log P(o/w)<1).

### *Ecotoxic effects*

Biological effects: Toxic effect on fish and plankton. According to current knowledge, does not cause interferences in waste water treatment if used appropriately.

Fish toxicity: P. promelas LC<sub>50</sub>: 9640 mg/l/96h. Daphnia toxicity: Daphnia magna EC<sub>50</sub>: 13299 mg/l/48h. Algal toxicity: Desmodesmus subspicatus IC<sub>50</sub>: >1000 mg/l/72h. Bacterial toxicity: Photobacterium phosphoreum EC<sub>50</sub>: 22000 mg/l/15min microtox test. Maximum permissible toxic concentration: Algal toxicity: Sc. quadricauda IC<sub>5</sub>: 1800 mg/l/8d. Bacterial toxicity: Ps. putida EC<sub>5</sub>: 1050 mg/l/16h. M. aeruginosa EC<sub>5</sub>: 1000 mg/l/8d. Protozoa: E. sulcatum EC<sub>5</sub>: 4930 mg/l/72h.

### *Further ecologic data:*

TOD: 2,40 g/g. BOD 49 % from TOD / 5 d. COD 96 % from TOD.

No ecological problems are to be expected when the product is handled and used with due care and attention.

## 13. Disposal considerations

Product:

Chemicals must be disposed of in compliance with the respective national regulations. Under [www.retrologistik.de](http://www.retrologistik.de) you will find country- and substance-specific information as well as contact partners.

Packaging

Product packaging must be disposed of in compliance with the country-specific regulations or must be passed to a packaging return system. Under [www.retrologistik.de](http://www.retrologistik.de) you will find country- and substance-specific information as well as contact partners.

---

# Safety Data Sheet

T-047 Cleaning Tissue

BB med. product GmbH

According to EC Directive 91/155/EEC

Date: 08.03.2004

---

## 14. Transport information

Land transport	-
Classification	- (Sondervorschrift 216)
Name	-
Transport by river	-
Classification	-
Transport by sea	-
Classification	-
Ems	-
Name	-
Transport by air	-
Classification	-
Name	-

The transport regulations are cited according to international regulations and in the form applicable in Germany (GGVS/GGVE). Possible national deviations in other countries are not considered.

These transport data apply to the entire pack!

## 15. Regulatory information

### *Labeling according to EC Directives*

Symbol:	F	Highly flammable
	Xi	Irritant
R-phrases	11-36-67	Highly flammable. Irritating to eyes. Vapours may cause drowsiness and dizziness.
S-phrases	7-16-24/25-26	Keep container tightly closed. Keep away from sources of ignition- No smoking. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
EC-No.	200-661-7	EC label

---

# Safety Data Sheet

T-047 Cleaning Tissue

BB med. product GmbH

According to EC Directive 91/155/EEC

Date: 08.03.2004

---

## German regulations

Water pollution class 1 (slightly polluting substance) VwVwS Anh. 2  
KennNr. 135

VbF Germany (regulation on combustible liquids)

B

Storage class VCI

3A

Data sheet of the Chemical  
Professional Association

M017 Solvents

M004 Irritant substances/corrosive substances

M050 Dealing with harmful substances

## Other national regulations

Swiss toxic class:

F

## 16 Other information

Contact for information:

Dipl.-Chemiker Robert Beinio

The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.