

MSDS: according to EC directive 2001/58/EC and the REACH regulation 1907/2006 Annex II

## Bauder Kontaktkleber T/F

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

Name : Bauder Kontaktkleber T/F  
Main use category : Industrial use  
Professional use  
Industrial/Professional use spec. : Contact adhesive  
Name : Paul Bauder GmbH & Co. KG  
Street : Korntaler Landstraße 63  
City : 70499 Stuttgart  
Country : DEUTSCHLAND  
Tel. : 0049 (0) 711/8807-0  
Fax : 0049 (0) 711/8807-300  
Productinfo : Tel.: 0049 (0) 711/8807-0  
**Emergency number : 0049 (0) 30 30686 790**  
**www.giftnotruf.de**

### 2. Hazards identification

Hazard symbols :



F



Xn



N

F - Highly flammable

Xn - Harmful

N - Dangerous for the environment

R-phrases : Highly flammable., Irritating to eyes, respiratory system and skin., Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment., Harmful: may cause lung damage if swallowed., Repeated exposure may cause skin dryness or cracking., Vapours may cause drowsiness and dizziness.

Fire hazard : Vapours are heavier than air and spread above ground  
Possible ignition from a distance  
Floats on water and may be ignited again.

Classified dangerous in accordance with Directives 67/548/EEC and 1999/45/EC

Ecology - general : Floats on water, evaporates quickly, danger of pollution of drinking water when large quantities of the product enters the soil.

Ecology - water : Toxic

### 3. Composition/information on ingredients

Name : Bauder Kontaktkleber T/F  
Hazard symbols : F;Xn;N  
CAS No. :

EC no :  
EC index no :  
R-phrases : R11, R36/37/38, R50/53, R65, R66, R67

### Composition

Name	Hazard symbols	CAS No.	EC no	EC index no	R-phrases	Reach	%
methyl ethyl ketone	F,Xi	78-93-3	201-159-0	606-002-00-3	R11, R36, R66, R67		>= 5% <= 10%
Dearomatised petrol	F,Xn,N	64742-49-0	265-151-9	649-328-00-1	R11, R38, R51/53, R65, R67		>= 20% <= 30%
acetone; propan-2-one; propanone	F,Xi	67-64-1	200-662-2	606-001-00-8	R11, R36, R66, R67		>= 5% <= 10%
cyclohexane	F,N,Xn	000110-82-7			R11, R38, R50/53, R67, R65		>= 20% <= 30%

### 4. First aid measures

Symptoms/injuries : Dizziness - Nausea - Dry skin - Headache - Unconsciousness - skin irritation

Symptoms/injuries after eye contact : Irritating to eyes

Symptoms/injuries after skin contact : Repeated exposure may cause skin dryness or cracking

First-aid measures general : Never give anything by mouth to an unconscious person.  
- Take victim to a doctor if irritation persists

First-aid measures after inhalation : Remove the victim into fresh air - In case of respiratory collapse: apply mouth-to-mouth resuscitation - When there is no quick recovery : consult a doctor/medical service

First-aid measures after skin contact : Rinse with water - Wash with water and soap - Take victim to a doctor if irritation persists - Repeated or prolonged contact with the product may cause skin diseases.

First-aid measures after eye contact : Rinse immediately with plenty of water - Take victim to an ophtalmologist if irritation persists

First-aid measures after ingestion : When there is no quick recovery : consult a doctor/medical service - Do not induce vomiting

Treatment : Causes damage to the central nervous system.  
Contains petrol.

### 5. Fire fighting measures

General measures : Ensure adequate ventilation - Avoid contact with skin and eyes - No naked flames or sparks - In order to rule out potential electrostatic discharge production, the system must be adequately grounded. - Do not inhale vapour - Stop engines and no smoking - Shut off leaks if without risks.

Extinguishing agents - fire fighting instructions :  
Foam  
Use dry chemical powder, carbon dioxide, sand, earth only in case of a small fire  
Do not use a high volume water jet

- Fire hazard : Vapours are heavier than air and spread above ground  
Possible ignition from a distance  
Floats on water and may be ignited again.
- Reactivity : No data available
- Personal protection (Emergency response) :  
Protective clothing - Compressed air/oxygen apparatus - A protective suit PVC with hood - Rubber safetyboots to knee-height - protective gloves (neoprene, nitrile)



- Other information : Cool closed containers exposed to fire with water spray

## 6. Accidental release measures

- General measures : Ensure adequate ventilation - Avoid contact with skin and eyes - No naked flames or sparks - In order to rule out potential electrostatic discharge production, the system must be adequately grounded. - Do not inhale vapour - Stop engines and no smoking - Shut off leaks if without risks.
- Personal protection (Emergency response) :  
Protective clothing - Compressed air/oxygen apparatus - A protective suit PVC with hood - Rubber safetyboots to knee-height - protective gloves (neoprene, nitrile)



- Handling the product : Avoid contact with skin and eyes. - Use earthed equipment - No naked flames - Take precautions against electrostatic charges - exhaust/ventilation or with respiratory protection - When using, do not eat, drink or smoke - Use only in well-ventilated areas - Keep away from ignition sources/sparks - Keep away from naked flames/heat - ventilate the area - Do not use compressed air to fill, handle or work up - If positive displacement pumps are used, these must be fitted with a non-integrated pressure relief valve.
- Environmental precautions : Substance must not be discharged into the sewer
- Leak : Absorb small amounts of spilled material with sand or earth or an other absorbent material - Contain released substance, pump into suitable containers - Shut off leaks if without risks. - Plug the leak, cut off the supply
- Disposal : Clean contaminated surfaces with an excess of water - Scoop solid spill into closing containers
- Other information : May form flammable vapour-air mixture.

## 7. Handling and storage

- Handling temperature : 15 - 25 °C
- Handling the product : Avoid contact with skin and eyes. Use earthed equipment. No naked flames. Take precautions against electrostatic charges.

	exhaust/ventilation or with respiratory protection. When using, do not eat, drink or smoke. Use only in well-ventilated areas. Keep away from ignition sources/sparks. Keep away from naked flames/heat. ventilate the area. Do not use compressed air to fill, handle or work up. If positive displacement pumps are used, these must be fitted with a non-integrated pressure relief valve.
Storage area	: Keep container tightly closed in a cool, well-ventilated place. Keep away from direct sunlight, heat sources and sources of ignition
Storage temperature	: 10 - 20 °C
Special rules on packaging	: meet the legal requirements
Recommended materials	: stainless steel steel aluminium

## 8. Exposure controls / Personal protection equipment

Limit value (ppm) : 100

### **Component : methyl ethyl ketone**

CAS No.	: 78-93-3
Limit value name	: 2-Butanon
Limit value (ppm)	: 200
Limit value (mg/m <sup>3</sup> )	: 600
MAK Short time value (ppm)	: 200/15'/4x
MAK Short time value (mg/m <sup>3</sup> )	: 600/15'/4x
MAK Reproduction	: C
MAK Skin resorption	: H
MAC name	: 2-Butanon
MAC (ppm)	: 200
MAC (mg/m <sup>3</sup> )	: 590
MAC Short time (ppm)	: 300
MAC Short time (mg/m <sup>3</sup> )	: 900
MAC Skin resorption	: H
VME name	: Méthyléthylcétone
VME (ppm)	: 200
VME (mg/m <sup>3</sup> )	: 600
VLE (ppm)	: 300
VLE (mg/m <sup>3</sup> )	: 800
TLV name	: Methyl ethyl ketone (MEK)
TLV-TWA (ppm)	: 200
TLV-STEEL (ppm)	: 300

Respiratory protection	: Ensure adequate ventilation. If local exhaust is insufficient, wear full-face mask.
Hand protection	: solvent-resistant gloves
Eye protection	: Safety glasses
Skin and body protection	: Standard working clothes

Handling the product : Avoid contact with skin and eyes. Use earthed equipment. No naked flames. Take precautions against electrostatic charges. exhaust/ventilation or with respiratory protection. When using, do not eat, drink or smoke. Use only in well-ventilated areas. Keep away from ignition sources/sparks. Keep away from naked flames/heat. ventilate the area. Do not use compressed air to fill, handle or work up. If positive displacement pumps are used, these must be fitted with a non-integrated pressure relief valve.

Personal protective equipment :  
In case of splash hazard: safety glasses  
Gloves



## 9. Physical and chemical properties

Physical state : Liquid  
Odour : petroleum-like odour  
Colour : Yellow  
Flash point : - 26 °C  
Explosion limits - lower : 0,6 vol %  
Explosion limits - upper : 13 vol %  
Viscosity : 850 mPas ± 150 (Spindel 5 25 t/m)  
Critical pressure : 0,31 bar (0°C) hPa  
Density : 0,8 g/cm<sup>3</sup>  
Water solubility : insoluble in water  
Self ignition temperature : > 200 °C  
Solid content : 40 % ± 2%

## 10. Stability and reactivity

Conditions to avoid : fire, naked flames. sparks. Heat  
Reactivity : No data available  
Incompatible materials : When liquid avoid  
water  
Plastic

## 11. Toxicological information

Eye irritation : Irritating  
Skin irritation : Irritating. skin degrease  
Skin sensitization : Yes  
General toxicity : Danger of dizziness, drowsiness or loss of consciousness, by prolonged exposure  
Irritant  
Toxicity hazard : No data on toxicity

**Component** : **methyl ethyl ketone**  
LD50 oral rat : 2737 mg/kg

LD50 dermal rabbit : 6480 mg/kg  
LC50 inhalation rat (mg/l) : 34 mg/l/4h  
LC50 inhalation rat (ppm) : 11300 ppm/4h

**Component : Dearomatised petrol**

LD50 oral rat : > 2000 mg/kg  
LD50 dermal rabbit : > 2000 mg/kg

Symptoms/injuries : Dizziness - Nausea - Dry skin - Headache -  
Unconsciousness - skin irritation  
Symptoms/injuries after skin contact : Repeated exposure may cause skin dryness or cracking  
Symptoms/injuries after eye contact : Irritating to eyes

## 12. Ecological information

**Component : methyl ethyl ketone**  
LC50 fishes 1 : 1690 mg/l (96 h, LEPOMIS MACROCHIRUS, FRESH WATER)  
LC50 fishes 2 : 3200 mg/l (96 h, PIMEPHALES PROMELAS)  
LC50 other aquatic organisms 1 : 8890 mg/l (DAPHNIA MAGNA)  
LC50 other aquatic organisms 1 : 8890 mg/l (DAPHNIA MAGNA)  
EC50 Daphnia 2 : 5091 mg/l (48 h, DAPHNIA MAGNA)  
EC50 other aquatic organisms 1 : 120 mg/l (72 h, ALGAE)  
: 1950 ppm (24 h, ARTEMIA SALINA)  
EC50 other aquatic organisms 2 : 0,333 mg/l (<1 h, PHOTOBACTERIUM PHOSPHOREUM,  
MICROTOXTEST)

**Component : Dearomatised petrol**  
LC50 fishes 1 : 1/10 (PISCES) mg/l  
EC50 other aquatic organisms 1 : 1/10 (BACTERIA) mg/l  
EC50 other aquatic organisms 2 : 10/100 (ALGAE) mg/l

**Component : methyl ethyl ketone**  
TLM fishes 1 : 5600 mg/l (96 h, GAMBUSIA AFFINIS)  
TLM fishes 2 : 1690 mg/l (96 h, LEPOMIS MACROCHIRUS, FRESH WATER)  
TLM other aquatic organisms 2 : > 1000 ppm (96 h)  
Threshold limit algae 1 : 110 mg/l (168 h, MICROCYSTIS AERUGINOSA)  
Threshold limit algae 1 : 110 mg/l (168 h, MICROCYSTIS AERUGINOSA)  
Threshold limit other aquatic organisms 1 :  
: 3200 mg/l (96 h, GAMBUSIA AFFINIS)  
Threshold limit other aquatic organisms 2 :  
: 1150 mg/l (16 h, PSEUDOMONAS PUTIDA)

Ecology - general : Floats on water, evaporates quickly, danger of pollution of drinking  
water when large quantities of the product enters the soil.  
Ecology - water : Toxic

**Component** : **methyl ethyl ketone**  
Biochemical oxygen demand (BOD) : 1,92 g O<sub>2</sub>/g substance  
Chemical oxygen demand (COD) : 2,31 g O<sub>2</sub>/g substance  
ThOD : 2,44 g O<sub>2</sub>/g substance  
BOD (% of ThOD) : 79 % ThOD  
Log Pow : 0.26/0.69  
WGK : 1

**Component** : **Dearomatised petrol**  
Log Pow : 4/5.7  
WGK : 1

Persistence and degradability : Readily biodegradable, according to appropriate OECD test

### 13. Disposal considerations

Ecology - general : Floats on water, evaporates quickly, danger of pollution of drinking water when large quantities of the product enters the soil.  
Regional legislation (waste) : Remove to an authorized waste treatment plant. Wastes, including emptied containers, should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act

### 14. Transport information

Class (ADR) : 3 - Flammable liquids  
Packing group (ADR) : II  
Hazard identification number (Kemler No.) : 3  
UN-No. (ADR) : 1133  
Orange plates :



Danger labels (ADR) : 3 - Flammable liquid, N - Dangerous for the environment



Transport regulations (ADR) : Subject to the provisions  
Proper Shipping Name : ADHESIVES, containing a flammable liquid  
Class (IMDG) : 3 - Flammable liquids  
UN-No. (IMDG) : UN 1133  
Transport regulations (IMDG) : Subject to the provisions  
Marine pollutant : Yes



EmS-No. (1) :  
EmS-No. (2) : F-E  
Proper Shipping Name : S-D  
ADHESIVES, containing a flammable liquid

### 15. Regulatory information

Label name : Glue

Hazard symbols :



F

F - Highly flammable



Xn

Xn - Harmful



N

N - Dangerous for the environment

R-phrases : R11 - Highly flammable.  
R36/37/38 - Irritating to eyes, respiratory system and skin.  
R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65 - Harmful: may cause lung damage if swallowed.  
R66 - Repeated exposure may cause skin dryness or cracking.  
R67 - Vapours may cause drowsiness and dizziness.

Classified dangerous in accordance with Directives 67/548/EEC and 1999/45/EC

S-phrases : S7 - Keep container tightly closed.  
S16 - Keep away from sources of ignition - No smoking.  
S23 - Do not breathe vapour/spray.  
S43 - In case of fire, use foam. Use dry chemical powder, carbon dioxide, sand, earth only in case of a small fire  
Do not use a high volume water jet.  
S51 - Use only in well-ventilated areas.  
S60 - This material and its container must be disposed of as hazardous waste.

### 16. Other information

(D) GIS-CODE: S2 Stark lösemittelhaltige Verlegewerkstoffe, toluol- und methanolfrei

#### **R-Phrases components**

R11 Highly flammable.  
R36 Irritating to eyes.  
R38 Irritating to skin.  
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.  
R65 Harmful: may cause lung damage if swallowed.  
R66 Repeated exposure may cause skin dryness or cracking.



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R67	Vapours may cause drowsiness and dizziness.
Data sources	: The information supplied has been based upon the current level of information available, for the purpose of specifying the requirements regarding environment, health and safety in conjunction with the product. They are not to be interpreted as a warranty
Version	: 1.3
Revision date	: 14/05/2012

MSDS: according to EC directive 2001/58/EC and the REACH regulation 1907/2006 Annex II

**REACH Disclaimer:**

This information is based on current knowledge. Consistency of data in the SDS with CSR is considered, as far as the information is available at the time of compilation (cfr Revision date and Version number).

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.