

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

Bauder Kontaktkleber PVC

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

Name : Bauder Kontaktkleber PVC
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



Xi

F - Highly flammable
Xi - Irritant

R-phrases : Highly flammable., Irritating to eyes., Possible risk of harm to the unborn child., Repeated exposure may cause skin dryness or cracking., Vapours may cause drowsiness and dizziness.

Fire hazard : Floats on water and may be ignited again.
Vapours are heavier than air and could spread above ground for a great distance till their source before exploding.

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

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

3. Composition/information on ingredients

Name : Bauder Kontaktkleber PVC
Hazard symbols : F;Xi
CAS No. :
EC no :

EC index no :
R-phrases : R11, R36, R63, R66, R67

Composition

Name	Hazard symbols	CAS No.	EC no	EC index no	R-phrases	Reach	%
ethyl acetate	F,Xi	141-78-6	205-500-4	607-022-00-5	R11, R36, R66, R67		>= 20% <= 30%
toluene	F,Xn	108-88-3	203-625-9	601-021-00-3	R11, R38, R48/20, R63, R65, R67		>= 5% < 10%
methyl ethyl ketone	F,Xi	78-93-3	201-159-0	606-002-00-3	R11, R36, R66, R67		>= 30% <= 40%

4. First aid measures

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

First-aid measures general : Never give anything by mouth to an unconscious person.

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 : Wash immediately with lots of 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 : Do not induce vomiting - When there is no quick recovery : consult a doctor/medical service

Treatment : Causes damage to the central nervous system.
Contains. ethylacetate. methyl ethyl ketone. toluene

5. Fire fighting measures

General measures : Do not inhale vapour - Close doors and windows of adjacent premises - Evacuate all personnel that isn't necessary. - Avoid contact with skin and eyes - Shut off leaks if without risks. - No naked flames or sparks - Ensure adequate ventilation - Keep away from sources of ignition - No smoking - In order to rule out potential electrostatic discharge production, the system must be adequately grounded.

Extinguishing agents - fire fighting instructions :
Foam
Water spray
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 : Floats on water and may be ignited again.
Vapours are heavier than air and could spread above ground for a great distance till their source before exploding.

Personal protection (Emergency response) :
Protective clothing - Compressed air/oxygen apparatus



Other information : Cool containers/tanks with spray water if possible

6. Accidental release measures

General measures : Do not inhale vapour - Close doors and windows of adjacent premises - Evacuate all personnel that isn't necessary. - Avoid contact with skin and eyes - Shut off leaks if without risks. - No naked flames or sparks - Ensure adequate ventilation - Keep away from sources of ignition - No smoking - In order to rule out potential electrostatic discharge production, the system must be adequately grounded.

Personal protection (Emergency response) :
Protective clothing - Compressed air/oxygen apparatus



Handling the product : Avoid contact with skin and eyes. - If positive displacement pumps are used, these must be fitted with a non-integrated pressure relief valve. - Do not inhale vapour - No naked flames - Wash hands immediately after handling the product - if necessary: Ventilation, local exhaust, or breathing protection - Avoid prolonged and repeated contact with skin - Handle uncleaned empty containers as full ones - Take precautions against electrostatic charges - When using, do not eat, drink or smoke - Clean contaminated clothing - Keep away from ignition sources/sparks - ventilate the area - To protect against splashes from pouring - Use earthed equipment - Do not use compressed air to fill, handle or work up

Environmental precautions : Relevant water authorities should be notified of any large spillage to water course or drain - Not in groundwater, surfacewater or sewerage

Leak : Shut off leaks if without risks. - Absorb small amounts of spilled material with sand or earth or an other absorbent material - Small amounts: Flush contaminated areas with plenty of water - Plug the leak, cut off the supply - Contain released substance, pump into suitable containers

Disposal : Scoop solid spill into closing containers - Handle as highly flammable and dangerous

Methods for cleaning : Remove to an authorized waste treatment plant

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. If positive displacement pumps are used, these must be fitted with a non-integrated pressure relief valve.

		Do not inhale vapour. No naked flames. Wash hands immediately after handling the product. if necessary: Ventilation, local exhaust, or breathing protection. Avoid prolonged and repeated contact with skin. Handle uncleaned empty containers as full ones. Take precautions against electrostatic charges. When using, do not eat, drink or smoke. Clean contaminated clothing. Keep away from ignition sources/sparks. ventilate the area. To protect against splashes from pouring. Use earthed equipment. Do not use compressed air to fill, handle or work up
Storage area	:	Keep away from direct sunlight, heat sources and sources of ignition. Keep container tightly closed in a cool, well-ventilated place
Storage temperature	:	10-20°C
Packaging materials	:	aluminium stainless steel steel
Unsuitable materials	:	The most types of rubbers

8. Exposure controls / Personal protection equipment

Limit value (ppm) : 100

Component : ethyl acetate
CAS No. : 141-78-6
Limit value (ppm) : 150
Limit value (mg/m³) : 300

Component : methyl ethyl ketone
CAS No. : 78-93-3
Limit value name : 2-Butanon
Limit value (ppm) : 200
Limit value (mg/m³) : 600
MAK Short time value (ppm) : 200/15'/4x
MAK Short time value (mg/m³): 600/15'/4x
MAK Reproduction : C
MAK Skin resorption : H
MAC name : 2-Butanon
MAC (ppm) : 200
MAC (mg/m³) : 590
MAC Short time (ppm) : 300
MAC Short time (mg/m³) : 900
MAC Skin resorption : H
VME name : Méthyléthylcétone
VME (ppm) : 200
VME (mg/m³) : 600
VLE (ppm) : 300
VLE (mg/m³) : 800
TLV name : Methyl ethyl ketone (MEK)
TLV-TWA (ppm) : 200

TLV-STEL (ppm)	: 300
Respiratory protection	: Ensure adequate ventilation. If local exhaustion is insufficient, wear full-face mask.
Hand protection	: solvent-resistant gloves
Eye protection	: Wear security glasses when the product is being sprayed or may splash.
Skin and body protection	: Standard working clothes
Risk Management Measures:	Provide sufficient air exchange and/or exhaust, locally and generally
Handling the product	: Avoid contact with skin and eyes. If positive displacement pumps are used, these must be fitted with a non-integrated pressure relief valve. Do not inhale vapour. No naked flames. Wash hands immediately after handling the product. if necessary: Ventilation, local exhaust, or breathing protection. Avoid prolonged and repeated contact with skin. Handle uncleaned empty containers as full ones. Take precautions against electrostatic charges. When using, do not eat, drink or smoke. Clean contaminated clothing. Keep away from ignition sources/sparks. ventilate the area. To protect against splashes from pouring. Use earthed equipment. Do not use compressed air to fill, handle or work up
Personal protective equipment :	Gloves Safety glasses



Materials for protective clothing :

- neoprene
- nitrile rubber
- PVC

9. Physical and chemical properties

Physical state	: Liquid
Odour	: ester-like
Colour	: White
Flash point	: -17 °C
Explosion limits - lower	: 1,9 vol %
Explosion limits - upper	: 10,2 vol %
Viscosity	: ± 2500 mPas
Relative density	: 0,9 ±0.05
Relative vapour density at 20 °C:	> 2,4
Vapor pressure	: 10,33 kPa
Water solubility	: Insoluble
Self ignition temperature	: 480-522 °C °C
Solid content	: 26 % ± 1%
Other properties	: Insoluble in water

10. Stability and reactivity

Chemical stability : Stable under normal conditions
Conditions to avoid : direct sunlight. High temperature. fire, naked flames
Incompatible materials : When liquid avoid
synthetic material
water
Hazardous decomposition products: ethanol. acetic acid vapours

11. Toxicological information

Eye irritation : Irritating
Skin irritation : Irritating. skin degrease
Skin sensitization : Yes
General toxicity : Irritant and in extreme situations losing of consciousness

Component : ethyl acetate

LD50 oral rat : 4935 mg/kg
LC50 inhalation rat (mg/l) : 1600 mg/l/4h

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

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

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 : 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 : Prevent soil and water pollution
Ecology - waste materials : Toxic
Ecology - water : Floats on water, evaporates quickly, danger of pollution of drinking water when large quantities of the product enters the soil.
Other properties : Insoluble in water
Component : **methyl ethyl ketone**
Biochemical oxygen demand (BOD): 1,92 g O₂/g substance
Chemical oxygen demand (COD): 2,31 g O₂/g substance
ThOD : 2,44 g O₂/g substance
BOD (% of ThOD) : 79 % ThOD
Log Pow : 0.26/0.69
WGK : 1

Persistence and degradability: High persistence
Other information : Avoid undiluted product to come into sewer or superficial water

13. Disposal considerations

Ecology - general : Prevent soil and water pollution
Ecology - waste materials : Toxic
Regional legislation (waste) : Remove to an authorized waste treatment plant. Effluent is toxic. 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



Transport regulations (ADR) : Subject to the provisions

State during transport (ADR-RID) : as liquid
Proper Shipping Name : ADHESIVES, containing a flammable liquid
Class (IMDG) : 3 - Flammable liquids
UN-No. (IMDG) : 1133
Transport regulations (IMDG) : Subject to the provisions
Marine pollutant : NO
EmS-No. (1) : F-E
EmS-No. (2) : S-D
Proper Shipping Name : ADHESIVES, containing a flammable liquid
Class (ICAO) : 3 - Flammable liquids
UN-No. (ICAO) : 1133
Transport regulations (ICAO) : Subject to the provisions
Proper Shipping Name : ADHESIVES, containing a flammable liquid

15. Regulatory information

Label name : Adhesive

Hazard symbols :



F



Xi

F - Highly flammable

Xi - Irritant

R-phrases : R11 - Highly flammable.
R36 - Irritating to eyes.
R63 - Possible risk of harm to the unborn child.
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 : S16 - Keep away from sources of ignition - No smoking.
S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S33 - Take precautionary measures against static discharges.
S43 - In case of fire: use foam, water spray.
Use dry chemical powder, carbon dioxide, sand, earth only in case of a small fire. Do not use a high volume water jet.
S46 - If swallowed, seek medical advice immediately and show this container or label.
S60 - This material and its container must be disposed of as hazardous waste.

16. Other information

(D) GIS-CODE : S1 Stark lösemittelhaltige Verlegewerkstoffe, aromaten- und methanolfrei

R-Phrases components

R11 Highly flammable.
R36 Irritating to eyes.



**Paul Bauder GmbH & Co.
KG**
Korntaler Landstraße 63
70499 Stuttgart
Tel.: 0049 (0) 711/8807-0

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Version: 1.5

R38	Irritating to skin.
R48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
R63	Possible risk of harm to the unborn child.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
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	: 1.5
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.