

Safety Data Sheet

according to Regulation (EC) No 1907/2006

GermanBond REPAIR

Revision date: 04.05.2018

Product code: 28

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SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

GermanBond REPAIR

1.2. Relevant identified uses of the substance or mixture and uses advised against
Use of the substance/mixture

Adhesives, sealants

Uses advised against

for professional use only

1.3. Details of the supplier of the safety data sheet

Company name:	germanBelt GmbH	
Street:	Carl-Vollrath-Str. 8	
Place:	D-07422 Bad Blankenburg	
Telephone:	+49 (0)36741 / 5680-0	Telefax: +49 (0)36741 / 5680-70
e-mail:	sales@germanbelt.de	

1.4. Emergency telephone number:

Giftnotruf England: +44 (171) 635 91 91, Giftnotruf England: +44 (171) 635 91 91, Giftnotruf Norwegen: +47 (22) 591 300,

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture
Regulation (EC) No. 1272/2008

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Carcinogenicity: Carc. 2

Reproductive toxicity: Repr. 2

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

Causes skin irritation.

Causes serious eye irritation.

Suspected of causing cancer.

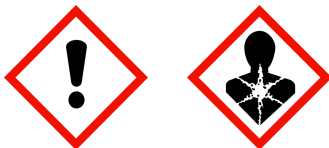
Suspected of damaging fertility.

May cause drowsiness or dizziness.

2.2. Label elements
Regulation (EC) No. 1272/2008
Hazard components for labelling

dichloromethane, methylene chloride

Signal word: Warning

Pictograms:

Hazard statements

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H351	Suspected of causing cancer.
H361f	Suspected of damaging fertility.
H336	May cause drowsiness or dizziness.

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Precautionary statements

- P405 Store locked up.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308+P313 IF exposed or concerned: Get medical advice/attention.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P202 Do not handle until all safety precautions have been read and understood.

Special labelling of certain mixtures

Restricted to professional users.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Synthetic rubber dissolved with fillers in dichloromethane (methylene chloride)

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
75-09-2	dichloromethane, methylene chloride			> = 45 %
	200-838-9	602-004-00-3	01-2119480404-41	
	Carc. 2, Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H351 H315 H319 H336			
8050-09-7	Rosin, colophony			< 1 %
	232-475-7	650-015-00-7		
	Skin Sens. 1; H317			
1314-13-2	zinc oxide			<= 1 %
	215-222-5	030-013-00-7		
	Aquatic Acute 1, Aquatic Chronic 1; H400 H410			
102-06-7	1,3-diphenylguanidine			< 0,3 %
	203-002-1	612-149-00-4		
	Repr. 2, Acute Tox. 4, Eye Irrit. 2, STOT SE 3, Skin Irrit. 2, Aquatic Chronic 2; H361f *** H302 H319 H335 H315 H411			

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated, saturated clothing immediately.

After inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing. If unconscious place in recovery position and seek medical advice.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.

After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Consult an ophthalmologist.

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After ingestion

Rinse mouth immediately and drink plenty of water. If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

The following symptoms may occur: Headache, Nausea, Vomiting, Dizziness

4.3. Indication of any immediate medical attention and special treatment needed

Symptoms may develop several hours following exposure; medical observation therefore necessary for at least 48 hours.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated: Carbon monoxide, Hydrochloric gas, Phosgene, Chlorine (Cl₂)

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Heating causes rise in pressure with risk of bursting. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal protection equipment: see section 8, Remove persons to safety. , Avoid contact with eyes and skin. Do not breathe vapour/aerosol.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

The product itself does not burn. Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

Personal protection equipment: see section 8, Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Store in a well-ventilated place. Keep container tightly closed., Avoid contact with eyes and skin.,

Advice on protection against fire and explosion

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

Further information on handling

Remove contaminated, saturated clothing immediately. When using do not eat or drink. Wash hands before breaks and after work.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Suitable container/equipment material: Steel, Glass; Unsuitable container/equipment material: Light metals, Zinc, Aluminium, The floor should be leak tight, jointless and not absorbent.

Advice on storage compatibility

Keep away from food, drink and animal feedingstuffs.

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Further information on storage conditions

storage temperature: + 10 - + 20°C

7.3. Specific end use(s)

Adhesives, sealants

SECTION 8: Exposure controls/personal protection
8.1. Control parameters
Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
75-09-2	Dichloromethane	100	350		TWA (8 h)	WEL
		300	1060		STEL (15 min)	WEL
8050-09-7	Rosin-based solder flux fume	-	0.05		TWA (8 h)	WEL
		-	0.15		STEL (15 min)	WEL

Biological Monitoring Guidance Values (EH40)

CAS No	Substance	Parameter	Value	Test material	Sampling time
75-09-2	Dichloromethane	carbon monoxide	30 ppm	end-tidal breath	Post shift

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
75-09-2	dichloromethane, methylene chloride			
	Worker DNEL, long-term	inhalation	systemic	353 mg/m ³
	Worker DNEL, acute	inhalation	systemic	706 mg/m ³
	Worker DNEL, long-term	dermal	systemic	12 mg/kg bw/day
	Consumer DNEL, long-term	inhalation	systemic	88,3 mg/m ³
	Consumer DNEL, acute	inhalation	systemic	353 mg/m ³
	Consumer DNEL, long-term	dermal	systemic	5,82 mg/kg bw/day
	Consumer DNEL, long-term	oral	systemic	0,06 mg/kg bw/day
102-06-7	1,3-diphenylguanidine			
	Consumer DNEL, long-term	oral	systemic	0,085 mg/kg bw/day
	Worker DNEL, long-term	inhalation	systemic	1,2 mg/m ³
	Consumer DNEL, long-term	inhalation	systemic	0,3 mg/m ³
	Worker DNEL, long-term	dermal	systemic	1,7 mg/kg bw/day
	Consumer DNEL, long-term	dermal	systemic	0,85 mg/kg bw/day

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PNEC values

CAS No	Substance	Value
Environmental compartment		
75-09-2	dichloromethane, methylene chloride	
Freshwater		0,31 mg/l
Marine water		0,031 mg/l
Freshwater sediment		2,57 mg/kg
Marine sediment		0,262 mg/kg
Micro-organisms in sewage treatment plants (STP)		26 mg/l
Soil		0,33 mg/kg
102-06-7	1,3-diphenylguanidine	
Freshwater sediment		2,976 mg/l
Marine sediment		0,2976 mg/kg
Micro-organisms in sewage treatment plants (STP)		1,47 mg/l
Soil		0,405 mg/l

8.2. Exposure controls

Appropriate engineering controls

See section 8. Safe handling: see section 7

Protective and hygiene measures

When using do not eat or drink.

Eye/face protection

Wear eye/face protection. EN 166

Hand protection

 Suitable material: FKM (fluoro rubber), Polyethylene, Breakthrough time (maximum wearing time): 8 h,
 Thickness of the glove material: 0,4 mm

Skin protection

Wear suitable protective clothing.

Respiratory protection

Use appropriate respiratory protection., Typ: AX, Colour: brown

Environmental exposure controls

Do not empty into drains. Do not allow to enter into soil/subsoil., In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Paste
Colour:	black
Odour:	sweetish

Test method

Changes in the physical state

Initial boiling point and boiling range: 40 °C EC: 440/2008 A.2.

Flash point: not applicable

Sustaining combustion: No data available

Flammability

ISO 10156

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Solid: not applicable

Gas: not applicable

Explosive properties

not explosive according to EU A.14

Lower explosion limits: 13 vol. %

Upper explosion limits: 22 vol. %

Ignition temperature: 556 - 605 °C DIN 51794

Auto-ignition temperature

Solid: not applicable

Gas: not applicable

Decomposition temperature: not determined EC: 440/2008 A.4.

 Vapour pressure:
(at 20 °C) 475 hPa

Partition coefficient: log Pow: 1,25 (Dichloromethane)

Viscosity / dynamic: not determined DIN 51376

Viscosity / kinematic: not determined DIN EN ISO 3104

Flow time: not determined

Vapour density: not determined

Evaporation rate: not determined

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is stable under storage at normal ambient temperatures.

10.2. Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

Do not store at temperatures above 25°C Heating causes rise in pressure with risk of bursting.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5. Incompatible materials

Materials to avoid: Aluminium, Zinc, Strong acid, Strong alkali, Amines

10.6. Hazardous decomposition products

 Hydrochloric gas, Carbon monoxide, Phosgene, Carbon dioxide (CO₂), Chlorine (Cl₂)

SECTION 11: Toxicological information

11.1. Information on toxicological effects

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Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
75-09-2	dichloromethane, methylene chloride				
	oral	LD50 > 2000 mg/kg	Rat	OECD 401	
	dermal	LD50 > 2000 mg/kg	Rat	OECD 402	
	inhalative (4 h) vapour	LC50 86 mg/l	Mouse		
1314-13-2	zinc oxide				
	oral	LD50 1500 mg/kg	Rat	OECD 401	
102-06-7	1,3-diphenylguanidine				
	oral	ATE 500 mg/kg			
	dermal	LD50 >2000 mg/kg	Rabbit		

SECTION 12: Ecological information
12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
75-09-2	dichloromethane, methylene chloride					
	Acute fish toxicity	LC50 193 mg/l	96 h	Pimephales promelas (fathead minnow)		
	Fish toxicity	NOEC 83 mg/l	28 d	Pimephales promelas (fathead minnow)		
	Acute bacteria toxicity	(2590 mg/l)		Activated sludge, 40 min	OECD 209	
8050-09-7	Rosin, colophony					
	Acute fish toxicity	LC50 < 10 mg/l	96 h	Brachydanio rerio	OECD 203	
	Acute crustacea toxicity	EC50 911 mg/l	48 h	Daphnia magna	OECD 202	

12.2. Persistence and degradability

Dichloromethane: not persistent.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
75-09-2	dichloromethane, methylene chloride			
		68 %	28	
	Readily biodegradable (according to OECD criteria). OECD 301D/ EEC 92/69/V, C.4-E			
102-06-7	1,3-diphenylguanidine			
		65 %	28	
	Not readily biodegradable (according to OECD criteria)			

12.3. Bioaccumulative potential

Dichloromethane: No indication of bioaccumulation potential.

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Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
75-09-2	dichloromethane, methylene chloride	1,25
102-06-7	1,3-diphenylguanidine	4,4

BCF

CAS No	Chemical name	BCF	Species	Source
75-09-2	dichloromethane, methylene chloride	2 - 40		

12.4. Mobility in soil

Dichloromethane: Highly mobile in soils.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Dispose of waste according to applicable legislation.

Waste disposal number of waste from residues/unused products

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

Contaminated packaging

Contaminated packages must be completely emptied and can be re-used following proper cleaning. Packing which cannot be properly cleaned must be disposed of. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:	UN 1593
14.2. UN proper shipping name:	DICHLOROMETHANE
14.3. Transport hazard class(es):	6.1
14.4. Packing group:	III
Hazard label:	6.1



Classification code:	T1
Special Provisions:	516
Limited quantity:	5 L
Excepted quantity:	E1
Transport category:	2
Hazard No:	60
Tunnel restriction code:	E

Inland waterways transport (ADN)

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14.1. UN number: UN 1593
14.2. UN proper shipping name: DICHLOROMETHANE
14.3. Transport hazard class(es): 6.1
14.4. Packing group: III
 Hazard label: 6.1



Classification code: T1
 Special Provisions: 516 802
 Limited quantity: 5 L
 Excepted quantity: E1

Marine transport (IMDG)

14.1. UN number: UN 1593
14.2. UN proper shipping name: DICHLOROMETHANE
14.3. Transport hazard class(es): 6.1
14.4. Packing group: III
 Hazard label: 6.1



Special Provisions: -
 Limited quantity: 5 L
 Excepted quantity: E1
 EmS: F-A, S-A

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 1593
14.2. UN proper shipping name: DICHLOROMETHANE
14.3. Transport hazard class(es): 6.1
14.4. Packing group: III
 Hazard label: 6.1



Limited quantity Passenger: 2 L
 Passenger LQ: Y642
 Excepted quantity: E1
 IATA-packing instructions - Passenger: 655
 IATA-max. quantity - Passenger: 60 L
 IATA-packing instructions - Cargo: 663
 IATA-max. quantity - Cargo: 220 L

SECTION 15: Regulatory information
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 59: dichloromethane, methylene chloride

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2010/75/EU (VOC):	72 %
2004/42/EC (VOC):	72 %
Information according to 2012/18/EU (SEVESO III):	Not subject to 2012/18/EU (SEVESO III)

Additional information

Dichloromethane: EU.REACH, Anhang XVII, Nr. 3, Nr. 59; EU.REACH, Anhang XVII, EG-Nr. 200-838-9

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe employment restrictions for women of child-bearing age.

Water contaminating class (D): 2 - clearly water contaminating

Additional information

§ 3 ChemVerbotsV

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 15.

Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer.
H361f	Suspected of damaging fertility.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)