

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### GermanBond MP Metallprimer

Revision date: 04.05.2018

Product code: 23

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#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

GermanBond MP Metallprimer

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

###### Use of the substance/mixture

Primers, Adhesives, sealants

###### Uses advised against

Do not use for private purposes (household).

##### 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:

Flammable liquid: Flam. Liq. 2

Acute toxicity: Acute Tox. 4

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Germ cell mutagenicity: Muta. 2

Specific target organ toxicity - single exposure: STOT SE 3

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Highly flammable liquid and vapour.

Harmful if inhaled.

May cause respiratory irritation.

Causes serious eye irritation.

Causes skin irritation.

Suspected of causing genetic defects.

Harmful to aquatic life with long lasting effects.

##### 2.2. Label elements

###### Regulation (EC) No. 1272/2008

###### Hazard components for labelling

Methylisobutylketon, phenol

Signal word: Danger

###### Pictograms:



###### Hazard statements

H225

Highly flammable liquid and vapour.

H332

Harmful if inhaled.

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H335	May cause respiratory irritation.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H341	Suspected of causing genetic defects.
H412	Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P370+P378	In case of fire: Use extinguishing powder to extinguish.
P362+P364	Take off contaminated clothing and wash it before reuse.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P233	Keep container tightly closed.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P201	Obtain special instructions before use.

**Special labelling of certain mixtures**

Restricted to professional users.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

Mixture in organic solvents

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**Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
108-10-1	Methylisobutylketon			> =60 - < 80 %
	203-550-1		01-2119473980-30	
	Flam. Liq. 2, Acute Tox. 4, Eye Irrit. 2A, STOT SE 3; H225 H332 H319 H335			
9003-35-4	P(Form/Phenol)			>=7,0-<10,0 %
	500-005-2			
	Eye Irrit. 2, STOT SE 3; H319 H335			
1330-20-7	xylene			>=5,0-<7,0 %
	215-535-7	601-022-00-9	01-2119488216-32	
	Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2; H226 H332 H312 H315			
108-95-2	phenol			>=1,0-<2,5 %
	203-632-7	604-001-00-2	01-2119471329-32	
	Muta. 2, Acute Tox. 3, Acute Tox. 3, Acute Tox. 3, Skin Corr. 1B, STOT RE 2; H341 H331 H311 H301 H314 H373			
100-41-4	ethylbenzene			>=1,0 -<2,5 %
	202-849-4	601-023-00-4		
	Flam. Liq. 2, Acute Tox. 4, STOT RE 2, Asp. Tox. 1; H225 H332 H373 H304			
1314-13-2	zinc oxide			>=0,6-<1,0 %
	215-222-5	030-013-00-7	01-2119463881-32	
	Aquatic Acute 1, Aquatic Chronic 1; H400 H410			
108-88-3	toluene			>=0,25<0,3 %
	203-625-9	601-021-00-3	01-2119471310-51	
	Flam. Liq. 2, Repr. 2, Skin Irrit. 2, STOT SE 3, STOT RE 2, Asp. Tox. 1; H225 H361d H315 H336 H373 H304			
140-66-9	4-(1,1,3,3-tetramethylbutyl)phenol; 4-tert-octylphenol			>=0,05-<0,06 %
	205-426-2	604-075-00-6		
	Skin Irrit. 2, Eye Dam. 1, Aquatic Acute 1 (M-Factor = 10), Aquatic Chronic 1 (M-Factor = 10); H315 H318 H400 H410			

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 affected person from the danger area and lay down.

**After inhalation**

IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a physician immediately.

**After contact with skin**

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap.

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#### 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.

#### After ingestion

Let water be drunken in little sips (dilution effect). Do NOT induce vomiting. Call a physician immediately.

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

SECTION 11: Toxicological information

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

Possibility of exposure to Xylene: To supervise the blood circulation., Gastrointestinal complaints', Causes damage to liver by swallowing.;

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Atomized water. Foam Carbon dioxide (CO2). Dry extinguishing powder.

##### Unsuitable extinguishing media

Full water jet

#### 5.2. Special hazards arising from the substance or mixture

No data available; Vapours can travel considerable distances to a source of ignition where they can ignite, flash back, or explode. Vapours of flammable solvents can accumulate in the gas phase of closed container, especially during heat treatment. Therefore keep away from fire and sources of ignition.

#### 5.3. Advice for firefighters

Explosion risk. Use water spray jet to protect personnel and to cool endangered containers. Do not breathe smoke.

#### Additional information

In case of fire: Wear self-contained breathing apparatus.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

SECTION 8: Exposure controls/personal protection

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

#### 6.3. Methods and material for containment and cleaning up

Remove all sources of ignition. Remove persons to safety. Ventilate affected area. Special danger of slipping by leaking/spilling product. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal.

#### 6.4. Reference to other sections

SECTION 4: First aid measures SECTION 5: Firefighting measures Safe handling: see section 7 Disposal: see section 13

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

##### Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. To follow: occupational exposure limit value See section 8. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with eyes and skin.

##### Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Metal container: Take precautionary measures against static discharges.

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**Further information on handling**

Use personal protection equipment.

**7.2. Conditions for safe storage, including any incompatibilities**
**Requirements for storage rooms and vessels**

Store in a cool dry place. maximum storage temperature &lt; 25°C;

**Advice on storage compatibility**

Do not store together with: Oxidising agent, Keep away from food, drink and animal feedingstuffs.

**7.3. Specific end use(s)**

Observe technical data sheet.

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

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
108-10-1	4-Methylpentan-2-one	50	208		TWA (8 h)	WEL
		100	416		STEL (15 min)	WEL
1333-86-4	Carbon black	-	3.5		TWA (8 h)	WEL
		-	7		STEL (15 min)	WEL
100-41-4	Ethylbenzene	100	441		TWA (8 h)	WEL
		125	552		STEL (15 min)	WEL
108-95-2	Phenol	2	7.8		TWA (8 h)	WEL
		4	16		STEL (15 min)	WEL
13463-67-7	Titanium dioxide, respirable	-	4		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL
108-88-3	Toluene	50	191		TWA (8 h)	WEL
		100	384		STEL (15 min)	WEL
1330-20-7	Xylene: mixed isomers	50	220		TWA (8 h)	WEL
		100	441		STEL (15 min)	WEL

**Biological Monitoring Guidance Values (EH40)**

CAS No	Substance	Parameter	Value	Test material	Sampling time
108-10-1	4-methylpentan-2-one	4-methylpentan-2-one	20 µmol/L	urine	Post shift
1330-20-7	Xylene, o-, m-, p- or mixed isomers	methyl hippuric acid	650 mmol/mol	urine	Post shift

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**DNEL/DMEL values**

CAS No	Substance		
DNEL type	Exposure route	Effect	Value
108-88-3	toluene		
Worker DNEL, acute	inhalation	local	343 mg/m <sup>3</sup>
Worker DNEL, acute	inhalation	systemic	384 mg/m <sup>3</sup>
Worker DNEL, long-term	inhalation	local	192 mg/m <sup>3</sup>
Worker DNEL, long-term	inhalation	systemic	192 mg/m <sup>3</sup>
Worker DNEL, long-term	dermal	systemic	384 mg/kg bw/day
Consumer DNEL, acute	inhalation	systemic	226 mg/m <sup>3</sup>
Consumer DNEL, long-term	inhalation	systemic	56,5 mg/m <sup>3</sup>
Consumer DNEL, long-term	dermal	systemic	226 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	8,13 mg/kg bw/day

**PNEC values**

CAS No	Substance	
Environmental compartment	Value	
108-88-3	toluene	
Freshwater (intermittent releases)	0,68 mg/l	
Micro-organisms in sewage treatment plants (STP)	13,61 mg/l	
Soil	2,89 mg/kg	

**8.2. Exposure controls**
**Appropriate engineering controls**

If handled uncovered, arrangements with local exhaust ventilation have to be used.

**Protective and hygiene measures**

When using do not eat or drink. Wash hands before breaks and after work.

**Eye/face protection**

Wear eye/face protection.

**Hand protection**

Suitable material: Butyl caoutchouc (butyl rubber), Thickness of the glove material:  $\geq 0,7$  mm, Breakthrough time (maximum wearing time):  $> 30$  min; Unsuitable material: PVC (polyvinyl chloride), CR (polychloroprene, chloroprene rubber)

**Skin protection**

Wear suitable protective clothing.

**Respiratory protection**

Use suitable breathing apparatus. Filtering device (full mask or mouthpiece) with filter: A

**Environmental exposure controls**

Safe handling: see section 7 Disposal: see section 13

**SECTION 9: Physical and chemical properties**
**9.1. Information on basic physical and chemical properties**

Physical state:	Liquid
Colour:	grey
Odour:	pungent

**Test method**

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#### Changes in the physical state

Melting point:	ca -85 °C
Initial boiling point and boiling range:	118 °C
Flash point:	16 °C DIN 51755
Lower explosion limits:	1,40 Methylisobutylketon vol. %
Upper explosion limits:	7,50 Methylisobutylketon vol. %
Vapour pressure: (at 20 °C)	21,3 Methylisobutylketon hPa
Density (at 20 °C):	0,94 g/cm <sup>3</sup>
Viscosity / dynamic: (at 25 °C)	80,000 - 180,000 mPa·s
Evaporation rate:	1,64 Methylisobutylketon Butylacetat = 1
Solvent content:	74,00 - 78,00 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

This material is combustible and can be ignited by heat, sparks, flames, or other sources of ignition (e.g. static electricity, pilot lights, or mechanical/electrical equipment).

### 10.4. Conditions to avoid

Heating may cause an explosion.

### 10.5. Incompatible materials

Reducing agent, strong; Oxidising agent, strong; Acid

### 10.6. Hazardous decomposition products

Formaldehyde; Phenol

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

Harmful if inhaled.

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CAS No	Chemical name					
	Exposure route	Dose	Species	Source	Method	
108-10-1	Methylisobutylketon					
	oral	LD50 mg/kg	2080	Ratte		
	dermal	LD50 mg/kg	> 2000	Kaninchen		
	inhalative (4 h) vapour	LC50 mg/l	8,2 - 16,4	Ratte		
	inhalative aerosol	ATE	1,5 mg/l			
9003-35-4	P(Form/Phenol)					
	oral	LD50 mg/kg	> 5000	Ratte		
	dermal	LD50 mg/kg	> 2000	Kaninchen		
1330-20-7	xylene					
	oral	LD50 mg/kg	4300	Ratte		
	dermal	LD50 mg/kg	> 2000	Ratte		
	inhalative (4 h) vapour	LC50	27,5 mg/l	Ratte		
	inhalative aerosol	ATE	1,5 mg/l			
108-95-2	phenol					
	oral	LD50 mg/kg	340	Rat		
	dermal	LD50 mg/kg	850	Rabbit		
	inhalative vapour	ATE	3 mg/l			
	inhalative (4 h) aerosol	LC50 mg/l	> 2,3	Rat		
100-41-4	ethylbenzene					
	oral	LD50 mg/kg	3500	Rat	GESTIS	
	dermal	LD50 mg/kg	15400	Rabbit	GESTIS	
	inhalative (4 h) vapour	LC50	17,2 mg/l	Rat		
	inhalative aerosol	ATE	1,5 mg/l			
1314-13-2	zinc oxide					
	oral	LD50 mg/kg	> 5000	Rat	OECD 401	
	inhalative (4 h) aerosol	LC50	> 5 mg/l	Rat		
108-88-3	toluene					
	dermal	LD50 mg/kg	12200	Rabbit	GESTIS	
	inhalative (4 h) vapour	LC50	49 mg/l	Rat	GESTIS	
140-66-9	4-(1,1,3,3-tetramethylbutyl)phenol; 4-tert-octylphenol					
	oral	LD50 mg/kg	4040	Rat	IUCLID	
	dermal	LD50 mg/kg	> 2000	Rabbit	IUCLID	



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**Irritation and corrosivity**

Causes serious eye irritation.  
Causes skin irritation.

**Sensitising effects**

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

**Carcinogenic/mutagenic/toxic effects for reproduction**

Suspected of causing genetic defects. (phenol)  
Carcinogenicity: Based on available data, the classification criteria are not met.  
Reproductive toxicity: Based on available data, the classification criteria are not met.

**STOT-single exposure**

May cause respiratory irritation. (Methylisobutylketon)

**STOT-repeated exposure**

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

**Aspiration hazard**

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

**SECTION 12: Ecological information****12.1. Toxicity**

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
108-10-1	Methylisobutylketon					
	Acute fish toxicity	LC50 > 179 mg/l	96 h	Danio rerio	OECD 203	
	Acute algae toxicity	ErC50 400 mg/l	96 h	Pseudokirchneriella subcapitata	OECD 201	
	Acute crustacea toxicity	EC50 > 200 mg/l	48 h	Daphnia magna	OECD 202	
	Fish toxicity	NOEC 57 mg/l	31 d	Pimephales promelas		
	Crustacea toxicity	NOEC 30 mg/l	21 d	Daphnia magna		
1330-20-7	xylene					
	Acute fish toxicity	LC50 2,6 mg/l	96 h	Oncorhynchus mykiss	OECD 203	
	Acute algae toxicity	ErC50 4,36 mg/l	72 h	Pseudokirchneriella subcapitata	OECD 201	
	Fish toxicity	NOEC > 1,3 mg/l	56 d	Oncorhynchus mykiss		
	Algae toxicity	NOEC 0,44 mg/l	72 d	Pseudokirchneriella subcapitata	OECD 201	
108-95-2	phenol					
	Acute fish toxicity	LC50 5,02 - 13,1 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)		
	Acute algae toxicity	ErC50 229 mg/l	72 h		GESTIS	
	Acute crustacea toxicity	EC50 4,3 - 20 mg/l	48 h	Ceriodaphnia spec		
100-41-4	ethylbenzene					
	Acute fish toxicity	LC50 4,2 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	OECD 203	
	Acute algae toxicity	ErC50 3,6 mg/l	96 h		GESTIS	
1314-13-2	zinc oxide					
	Acute fish toxicity	LC50 0,14 - 1,1 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)		
	Acute algae toxicity	ErC50 0,14 mg/l	96 h	Pseudokirchneriella subcapitata		
	Acute crustacea toxicity	EC50 5 mg/l	48 h	Daphnia magna (Big water flea)		
108-88-3	toluene					
	Acute fish toxicity	LC50 13 mg/l	96 h	Carassius auratus	IUCLID	
	Acute algae toxicity	ErC50 12,5 mg/l	72 h		GESTIS	
140-66-9	4-(1,1,3,3-tetramethylbutyl)phenol; 4-tert-octylphenol					
	Acute fish toxicity	LC50 0,25 mg/l	96 h	Pimephales promelas	IUCLID	
	Acute algae toxicity	ErC50 1,1 mg/l	72 h	Scenedesmus subspicatus	IUCLID	
	Acute crustacea toxicity	EC50 0,27 mg/l	48 h	Daphnia magna	IUCLID	

**12.2. Persistence and degradability**

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CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
108-10-1	Methylisobutylketon			
	OECD 301F/ ISO 9408/ EEC 92/69/V, C.4-D	83 %	28	
	Readily biodegradable (according to OECD criteria).			
1330-20-7	xylene			
	OECD 301F/ ISO 9408/ EEC 92/69/V, C.4-D	> 60 %	10	
	Readily biodegradable (according to OECD criteria).			
108-95-2	phenol			
	OECD 301C/ ISO 9408/ EEC 92/69/V, C.4-F	85 %	14	
	Readily biodegradable (according to OECD criteria).			
100-41-4	ethylbenzene			
	OECD 301E/ EEC 92/69/V, C.4-B	100 %	6	
	Readily biodegradable (according to OECD criteria).			
140-66-9	4-(1,1,3,3-tetramethylbutyl)phenol; 4-tert-octylphenol			
	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C	62 %	28	
	Poorly biodegradable.			

**12.3. Bioaccumulative potential**
**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
108-10-1	Methylisobutylketon	1,9
1330-20-7	xylene	3,12
108-95-2	phenol	1,5
100-41-4	ethylbenzene	3,15
108-88-3	toluene	2,73
140-66-9	4-(1,1,3,3-tetramethylbutyl)phenol; 4-tert-octylphenol	4,8

**BCF**

CAS No	Chemical name	BCF	Species	Source
1330-20-7	xylene	25,9	Oncorhynchus mykiss (Rainbow trout)	
108-95-2	phenol	10 - 39		
100-41-4	ethylbenzene	15	Fisch	
140-66-9	4-(1,1,3,3-tetramethylbutyl)phenol; 4-tert-octylphenol	261	Oryzias latipes (Ricefish)	

**12.4. Mobility in soil**

Methylisobutylketon: pOC 50 -150, Koc 101 ; Xylene: pOC 150-500, Koc 443; Phenols: pOC 50-150, Koc 27-91; Ethylbenzol: pOC 55-2000, Koc 518; Toluene: pOC 0-50, Koc 37-178

**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**

No data available

**SECTION 13: Disposal considerations**
**13.1. Waste treatment methods**
**Advice on disposal**

Dispose of waste according to applicable legislation.

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**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 1133  
**14.2. UN proper shipping name:** Adhesives  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
 Hazard label: 3



Classification code: F1  
 Special Provisions: 640D  
 Limited quantity: 5 L  
 Excepted quantity: E2  
 Transport category: 2  
 Hazard No: 33  
 Tunnel restriction code: D/E

**Inland waterways transport (ADN)**

**14.1. UN number:** UN 1133  
**14.2. UN proper shipping name:** Adhesives  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
 Hazard label: 3



Classification code: F1  
 Special Provisions: 640D  
 Limited quantity: 5 L  
 Excepted quantity: E2

**Marine transport (IMDG)**

**14.1. UN number:** UN 1133  
**14.2. UN proper shipping name:** Adhesives  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
 Hazard label: 3

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Special Provisions: -  
 Limited quantity: 5 L  
 Excepted quantity: E2  
 EmS: F-E, S-D

**Air transport (ICAO-TI/IATA-DGR)**

**14.1. UN number:** UN 1133  
**14.2. UN proper shipping name:** Adhesives  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II  
 Hazard label: 3



Special Provisions: A3  
 Limited quantity Passenger: 1 L  
 Passenger LQ: Y341  
 Excepted quantity: E2  
 IATA-packing instructions - Passenger: 353  
 IATA-max. quantity - Passenger: 5 L  
 IATA-packing instructions - Cargo: 364  
 IATA-max. quantity - Cargo: 60 L

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**14.6. Special precautions for user**

No data available

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

No data available

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

Authorisations (REACH, annex XIV):

Substances of very high concern, SVHC (REACH, article 59):  
 4-(1,1,3,3-tetramethylbutyl)phenol; 4-tert-octylphenol

Restrictions on use (REACH, annex XVII):

Entry 48: toluene

2010/75/EU (VOC): 78 %

2004/42/EC (VOC): 78 %

Information according to 2012/18/EU (SEVESO III): P5c FLAMMABLE LIQUIDS

**Additional information**

CAS: 108-88-3, Toluene: according to Regulation (EC) No. 1907/2006 (REACH) Anhang XVII Nr. 3, 40 ; CAS:  
 140-66-9, 4-(1,1,3,3-Tetramethylbutyl)phenol: This substance has been listed as SVHC (substance of very high concern) in the Candidate List according to Article 59 of REACH.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### GermanBond MP Metallprimer

Revision date: 04.05.2018

Product code: 23

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#### National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

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

#### 15.2. Chemical safety assessment

For the following substances of this mixture a chemical safety assessment has been carried out:

### SECTION 16: Other information

#### Changes

This data sheet contains changes from the previous version in section(s): 2,3,8,13,15.

#### Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H341	Suspected of causing genetic defects.
H361d	Suspected of damaging the unborn child.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful 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.)*