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

### 1.1. Product identifier

**Name of product** Primer E 500  
Code-Nr. 135580

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

#### Uses advised against

#### Remark

Do not use for private purposes (household).

#### Recommended intended purpose(s)

to be used as surface preconditioning

### 1.3. Details of the supplier of the safety data sheet

#### Distributor

WEICON GmbH & Co. KG  
Königsberger Str. 255, DE-48157 Münster  
Postbox 48045, DE-8460 Münster  
Phone ++49(0)251 / 9322 - 0, Fax ++49(0)251 / 9322 - 244  
E-Mail : msds@weicon.de  
Internet : www.weicon.de

#### Advice

Produktsicherheit / Product-Safety-Department  
Phone ++49(0)251 / 9322 - 0  
E-mail (competent person):  
msds@weicon.de

### 1.4. Emergency telephone number

GIZ Bonn (German, English) Tel: ++49(0)228-19 240  
TRANSPORT: Consultank Lutz Harder GmbH Tel: +49(0)178  
433 7434 (24h Emergency Contact)

#### Manufacturer

WEICON GmbH & Co. KG  
Königsberger Str. 255, DE-48157 Münster

### 1.4. Emergency telephone number

#### Emergency advice

-  
Phone -  
GIZ Bonn (Medizinische Auskunft in Deutsch und Englisch)  
Tel: ++49(0)228-19 240  
TRANSPORT: Consultank Lutz Harder GmbH Tel: +49(0)178  
433 7434 (24h Emergency Contact)

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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]**

Hazard classes and Hazard categories	Hazard Statements	Classification procedure
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Flam. Liq. 2	H225	
Skin Irrit. 2	H315	
Eye Dam. 1	H318	
Repr. 2	H361d	
STOT SE 3	H336	
Asp. Tox. 1	H304	
Aquatic Chronic 2	H411	

**Hazard Statements**

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H411	Toxic to aquatic life with long lasting effects.

**2.2. Label elements**
**Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]**


GHS02



GHS05



GHS08



GHS09

**Signal word**

Danger

**Hazard Statements**

H225	Highly flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H411	Toxic to aquatic life with long lasting effects.

**Precautionary Statements**

P102	Keep out of reach of children.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P264	Wash hands thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P281	Use personal protective equipment as required.
P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.



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No. 1907/2006 (REACH)

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**Primer E 500**

P302 + P352	IF ON SKIN: Wash with plenty of soap and water.
P303 + P361 + P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
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.
P310	Immediately call a POISON CENTER or doctor/physician.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P331	Do NOT induce vomiting.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P362	Take off contaminated clothing.
P370 + P378	In case of fire: Use foam for extinction.
P391	Collect spillage.
P403 + P233	Store in a well-ventilated place. Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to hazardous or special waste collection point.

**Hazardous ingredients for labeling**

alkanes, C7-10-iso-, titanium tetrabutanolate, tetraethyl silicate, toluene

**Additional information**

**Remark**

For industrial use only.

**2.3. Other hazards**

**Information pertaining to special dangers for human and environment**

In case of contact with water formation of highly flammable gases.  
Danger of serious damage to health by prolonged exposure.

**Results of PBT and vPvB assessment**

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

**SECTION 3: Composition/ information on ingredients**

**3.1. Substances**

not applicable

**3.2. Mixtures**

**Description**

Compound

**Hazardous ingredients**

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
78-10-4	201-083-8	tetraethyl silicate	< 2	Flam. Liq. 3, H226 / Acute Tox. 4, H332 / Eye Irrit. 2, H319 / STOT SE 3, H335
108-88-3	203-625-9	toluene	< 5	Flam. Liq. 2, H225 / Repr. 2, H361d / Asp. Tox. 1, H304 / STOT RE 2, H373 / Skin Irrit. 2, H315 / STOT SE 3, H336
5593-70-4	227-006-8	titanium tetrabutanolate	< 10	Flam. Liq. 3, H226 / Skin Irrit. 2, H315 / Eye Dam. 1, H318
90622-56-3	292-458-5	alkanes, C7-10-iso-	50 - 99	Flam. Liq. 2, H225 / Skin Irrit. 2, H315 / Asp. Tox. 1, H304 / STOT SE 3, H336 / Aquatic Chronic 2, H411



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## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Remove contaminated soaked clothing immediately.

#### In case of inhalation

Ensure of fresh air.

In the event of symptoms refer for medical treatment.

#### In case of skin contact

In case of contact with skin wash off with soap and water.

Consult a doctor if skin irritation persists.

#### In case of eye contact

In case of contact with eyes rinse thoroughly with water.

Call for a doctor immediately.

#### In case of ingestion

If swallowed or in case of vomiting, danger of infiltration into the lungs (danger of aspiration).

Do not induce vomiting.

Call for a doctor immediately.

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

#### Physician's information / possible symptoms

vomiting

Respiratory complaints

Nausea

Confusion

skin irritation

#### Physician's information / possible dangers

Causes serious eye damage.

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

#### Treatment (Advice to doctor)

If swallowed or in the event of vomiting, risk of entering the lungs.

Keep under medical supervision for at least 48 hours.

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## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Alcohol-resistant foam

Dry powder

Carbon dioxide

#### Unsuitable extinguishing media

water

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

In case of fire formation of dangerous gases possible.

Carbon monoxide (CO)

Carbon dioxide (CO<sub>2</sub>)

### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighters

Fire-fighting operations, rescue and clearing work under effect of combustion and smoulder gases just may be done with breathing apparatus.

Do not inhale explosion and/or combustion gases.

**Additional information**

Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.  
Collect contaminated firefighting water separately, must not be discharged into the drains.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

Ensure adequate ventilation.  
Use personal protective clothing.  
Keep away sources of ignition.  
Use breathing apparatus if exposed to vapours/dust/aerosol.

**6.2. Environmental precautions**

Do not discharge into the drains or bodies of water..  
Do not discharge into the drains/surface waters/groundwater.

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

Take up mechanically and send for disposal.

**Additional Information**

Sort out leaky cans and dispose according to regulations.

**6.4. Reference to other sections**

Safe handling: see section 7  
Disposal: see section 13  
Personal protection equipment: see section 8

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.  
Take the usual precautions when handling with chemicals.

**General protective measures**

Avoid contact with eyes and skin  
Do not inhale gases/vapours/aerosols.  
It is essential for pregnant women to avoid inhaling the product and not to let it come in contact with the skin.

**Hygiene measures**

At work do not eat, drink and smoke.  
Remove soiled or soaked clothing immediately.  
Keep away from food and drink.  
Keep separated from food and feed.  
Wash hands before breaks and after work.

**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking  
Protect from heat and sunlight.  
Vapours can form an explosive mixture with air.  
Take precautionary measures against static discharges.

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

Prevent penetration into the ground.  
Keep only in original container.

**Advice on storage compatibility**

Do not store together with animal feedstuffs.

Do not store together with food.

Keep away from water.

**Further information on storage conditions**

Store closed container at cool and aired place.

Protect from frost.

Protect from atmospheric moisture and water

Protect from heat and direct solar radiation.

Store in a dry place.

**7.3. Specific end use(s)****Recommendation(s) for intended use**

See section 1.2

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Ingredients with occupational exposure limits to be monitored**

CAS No	Name	Code	[mg/m <sup>3</sup> ]	[ppm]	Remark
71-36-3	butan-1-ol	8 hours Short-term	154	50	EH40/2005
64-17-5	ethanol	8 hours	1920	1000	EH40/2005
108-88-3	Toluene	8 hours Short-term	191 574	50 150	EH40/2005

**Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC, 2006/15/EC or 2009/161/EU)**

CAS No	Name	Code	[mg/m <sup>3</sup> ]	[ppm]	Remark
108-88-3	toluene	8 hours Short-term	192 384	50 100	skin

**Additional advice**

The statutory local and national regulations have to be observed.

**8.2. Exposure controls****Respiratory protection**

If ventilation insufficient, wear respiratory protection.

In case of insufficient ventilation or long-term effect use breathing apparatus.

Short-term: filter apparatus, filter A2/P2, otherwise environment-independent breathing apparatus.

**Hand protection**

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: Nitrile rubber,  $\geq 0,7$  mm,  $\geq 240$  min

In the cases of special applications, it is recommended to check the chemical resistance with the manufacturer of the gloves.

Chemical protective gloves must be chosen carefully in view of their design and depending on the dependence on the concentration and amounts of dangerous goods used in the specific working tasks.

**Eye protection**

tightly fitting goggles

**Other protection measures**

protective clothing

**Appropriate engineering controls**

Sufficient ventilation and exhaustion.

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

liquid

**Colour**

yellowish

**Odour**

solvent-like

**Odour threshold**

not determined

**Important health, safety and environmental information**

	Value	Temperature	at	Method	Remark
<b>pH value</b>	not determined				
<b>boiling point</b>	116 °C				
<b>melting point</b>	not determined				
<b>Flash point</b>	9 °C				
<b>Vapourisation rate</b>	not determined				
<b>Flammable (solid)</b>	not determined				
<b>Flammability (gas)</b>	not determined				
<b>Ignition temperature</b>	420 °C				
<b>Self ignition temperature</b>	not determined				
<b>Lower explosion limit</b>	0,9 Vol-%				
<b>Upper explosion limit</b>	7 Vol-%				
<b>Vapour pressure</b>	8 hPa	20 °C			
<b>Relative density</b>	0,76 g/cm <sup>3</sup>	20 °C			
<b>Vapour density</b>	not determined				
<b>Solubility in water</b>					insoluble, reacts with water
<b>Solubility/other</b>	not determined				
<b>Partition coefficient n-octanol/water (log P O/W)</b>	not determined				
<b>Decomposition temperature</b>	not determined				
<b>Viscosity dynamic</b>	< 10 mPa*s			Brookfield	
<b>Viscosity kinematic</b>	not determined				
<b>Oxidising properties</b>					
No information available.					

**Explosive properties**

The product is considered non-explosive ; nevertheless explosive vapour/air mixtures can be generated .

**9.2. Other information**

No information available.

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No information available.

**10.2. Chemical stability**

No information available.

**10.3. Possibility of hazardous reactions**

Reactions with water.

**10.4. Conditions to avoid**

Water

Keep away from heat.

High air humidity

**10.5. Incompatible materials****Substances to avoid**

High air humidity

Water

**10.6. Hazardous decomposition products**

Contact with water or air humidity liberates Ethanol and 1-butanol.

Carbon monoxide and carbon dioxide.

**Thermal decomposition**

Remark No decomposition if used as directed.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity/Irritation/Sensitization**

	Value/Validation	Species	Method	Remark
<b>Skin irritation</b>	irritant			
<b>Eye irritation</b>	irritant - risk of strong eye injuries			

**Subacute Toxicity - Carcinogenicity**

	Value	Species	Method	Validation
<b>Reproduction-Toxicity</b>				Indications of toxic effects are available from reproduction studies in animals.

**Experiences made from practice**

Vapours may cause dizziness, headaches and tiredness

Harmful to health by prolonged exposure.





Persons suffering from hypersensitivity showed sensitization.  
Product may cause irreversible eye injuries.  
Irritates eyes and skin.

**Additional information**

The product is to be handled with the caution usual with chemicals.  
Other hazardous properties may not be excluded.  
The product has not been tested. The information is derived from the properties of the individual components.

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**SECTION 12: Ecological information**

**12.1. Toxicity**

No information available.

**12.2. Persistence and degradability**

No information available.

**12.3. Bioaccumulative potential**

No information available.

**12.4. Mobility in soil**

No information available.

**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**

**General regulation**

Toxic to aquatic life with long lasting effects.  
Do not allow uncontrolled leakage of product into the environment.  
Product is not allowed to be discharged into the ground water or aquatic environment.  
Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.  
The ecotoxic effect of the product has not been tested. The information on this was derived from products of similar structure or composition.

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**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Waste code No.**

08 04 09\*

08 04 10

08 04 11\*

15 01 02

**Name of waste**

waste adhesives and sealants containing organic solvents or other hazardous substances

waste adhesives and sealants other than those mentioned in 08 04 09

adhesive and sealant sludges containing organic solvents or other hazardous substances

plastic packaging

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC on hazardous waste.

**Recommendations for the product**

Remove in accordance with local official regulations.

Dispose of as hazardous waste.

**Recommendations for packaging**

Dispose of according to the local waste regulations.

Packaging that cannot be cleaned should be disposed of like the product.

**General information**

Assignment to a waste code number / waste identification according to the EWC is to be carried out on a sector or process-specific basis.

**SECTION 14: Transport information**

	<b>ADR/RID</b>	<b>IMDG</b>	<b>IATA-DGR</b>
<b>14.1. UN number</b>	1993	1993	1993
<b>14.2. UN proper shipping name</b>	FLAMMABLE LIQUID, N.O.S. (OCTANE, NONANE)	FLAMMABLE LIQUID, N.O.S. (OCTANES, NONANES)	Flammable liquid, n.o.s. (OCTANES, NONANES)
<b>14.3. Transport hazard class(es)</b>	3	3	3
<b>14.4. Packing group</b>	II	II	II
<b>14.5. Environmental hazards</b>	Yes	Yes	Yes

**14.6. Special precautions for user**

Caution: FLAMMABLE LIQUID

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**  
not applicable**Land and inland navigation transport ADR/RID**

Hazard label(s) 3

tunnel restriction code D/E

Special provisions 640D

Classification code F1

**Marine transport IMDG**

MARINE POLLUTANT

**Transport/further information**

24h EMERGENCY CONTACT (TRANSPORT) +49(0)178 433 7434 (Consultank Lutz Harder GmbH)

**! SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****! VOC standard****VOC content** 4,99 %**VOC value** 37,9 g/L**15.2. Chemical Safety Assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information****Recommended uses and restrictions**

National and local regulations concerning chemicals shall be observed.

For industrial use only.

**Further information**

Each user is responsible for the implementation of the national special regulations.

The information contained herein is based on the 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.

Please observe the following disclaimer! --- Our safety data sheets have been compiled according to effective EU-directives, WITHOUT taking into account the special national directives concerning the handling of hazardous substances.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 9.1



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**Primer E 500**

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- H225 Highly flammable liquid and vapour.  
H226 Flammable liquid and vapour.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H336 May cause drowsiness or dizziness.  
H361d Suspected of damaging fertility or the unborn child (state specific effect if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).  
H373 May cause damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).  
H411 Toxic to aquatic life with long lasting effects.