

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Name of product**Primer S 300
Code-Nr. 135503**1.2. Relevant identified uses of the substance or mixture and uses advised against****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
Phone : +49(0)251 / 9322 - 0, Fax : +49(0)251 / 9322 - 244
E-Mail : msds@weicon.de
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Advice

Produktsicherheit / Product-Safety-Department
Phone : +49(0)251 / 9322 - 0
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E-mail (competent person):
msds@weicon.de**1.4. Emergency telephone number**EMERGENCY CONTACT - UK, UAE, South Africa (24h): Tel:
++44 1865 407333 (English)
TRANSPORT EMERGENCY CONTACT - UK, UAE, South
Africa (24h): Tel: ++44 1865 407333 (English)**Manufacturer**WEICON GmbH & Co. KG
Königsberger Str. 255, DE-48157 Münster**1.4. Emergency telephone number**GIFTNOTRUF/TRANSPORTNOTRUF - Deutschland (24h):
Tel: ++49 69 222 25285 (Deutsch, Englisch)**! 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. 3	H226	
Acute Tox. 4	H332	
Eye Irrit. 2	H319	
Skin Sens. 1	H317	
STOT SE 3	H335, H336	
STOT RE 2	H373	
Aquatic Chronic 2	H411	

Hazard Statements

H226 Flammable liquid and vapour.

H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

2.2. Label elements

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



GHS02



GHS07



GHS08



GHS09

! Signal word

Warning

Hazard Statements

H226	Flammable liquid and vapour.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
H411	Toxic to aquatic life with long lasting effects.

Precautionary Statements

P102	Keep out of reach of children.
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.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
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.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection.
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.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P312	Call a POISON CENTER/doctor/.../if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing.
P363	Wash contaminated clothing before reuse.
P391	Collect spillage.



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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

1,6-hexanediy-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate, 3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers, 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, diethylmethylbenzenediamine, Hydrocarbons, C9,arom. hydrotreater (-)

Supplemental Hazard information (EU)

Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

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]
140921-24-0	411-700-4	1,6-hexanediy-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate	0,1 < 1	Skin Sens. 1, H317
4098-71-9	223-861-6	3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	0,1 < 1	Acute Tox. 3, H331 / Eye Irrit. 2, H319 / STOT SE 3, H335 / Skin Irrit. 2, H315 / Resp. Sens. 1, H334 / Skin Sens. 1, H317 / Aquatic Chronic 2, H411
68479-98-1	270-877-4	diethylmethylbenzenediamine	10 < 25	Acute Tox. 4, H312 / Acute Tox. 4, H302 / STOT RE 2, H373 / Eye Irrit. 2, H319 / Aquatic Acute 1, H400 / Aquatic Chronic 1, H410
53880-05-0	500-125-5	3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers	25 < 50	Skin Sens. 1, H317
64742-95-6	918-668-5	Hydrocarbons, C9,arom. hydrotreater (-)	25 < 50	Flam. Liq. 3, H226 / Asp. Tox. 1, H304 / STOT SE 3, H335, H336 / Aquatic Chronic 2, H411

REACH

CAS No	Name	REACH registration number
140921-24-0	1,6-hexanediy-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate	01-0000015906-63
4098-71-9	3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	01-2119490408-31
68479-98-1	diethylmethylbenzenediamine	01-2119486805-25
53880-05-0	3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers	01-2119488734-24
64742-95-6	Hydrocarbons, C9,arom. hydrotreater (-)	01-2119455851-35

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove contaminated soaked clothing immediately.

If threatening unconsciousness, position and transport in recovery position

In the event of persistent symptoms receive medical treatment.

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 plenty of water and seek medical advice.

In case of ingestion

Seek medical advice.

Do not induce vomiting.

Rinse out mouth thoroughly with water.

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

Physician's information / possible symptoms

vomiting

Respiratory complaints

Headache

Allergic symptoms

Nausea

skin irritation

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

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Alcohol-resistant foam

Dry powder

Carbon dioxide

Unsuitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In case of fire formation of dangerous gases possible.

Nitrogen gases (NO_x)

Carbon monoxide (CO)

Carbon dioxide (CO₂)

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

Cool endangered containers with water spray jet.

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..

Collect contaminated water / firefighting water separately.

Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).

After taking up the material dispose according to regulation.

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.

Provide good room ventilation even at ground level (vapours are heavier than air).

General protective measures

Do not inhale vapours.

Avoid contact with eyes and skin

Hygiene measures

At work do not eat, drink and smoke.

Remove soiled or soaked clothing immediately.

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.

Further information on storage conditions

Store closed container at cool and aired place.

Protect from frost.

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
DNEL-/PNEC-values
DNEL worker

CAS No	Substance name	Value	Code	Remark
4098-71-9	3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	0,0453 mg/m ³	DNEL long-term inhalative (local)	
		0,0453 mg/m ³	DNEL acute inhalative (local)	
53880-05-0	3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers	0,58 mg/m ³	DNEL acute inhalative (local)	
		0,29 mg/m ³	DNEL long-term inhalative (local)	
64742-95-6	Hydrocarbons, C9,arom. hydrotreater (-)	150 mg/m ³	DNEL long-term inhalative (systemic)	
		25 mg/kg bw/day	DNEL long-term dermal (systemic)	
68479-98-1	diethylmethylbenzenediamine	0,13 mg/m ³	DNEL long-term inhalative (systemic)	
		1 mg/kg bw/day	DNEL long-term dermal (systemic)	

PNEC

CAS No	Substance name	Value	Code	Remark
4098-71-9	3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate	0,04 mg/l	PNEC aquatic, intermittent release	
		0,06 mg/l	PNEC aquatic, freshwater	
		218,92 mg/kg	PNEC sediment, freshwater	
		10,6 mg/l	PNEC sewage treatment plant (STP)	
53880-05-0	3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers	0,15 mg/l	PNEC aquatic, intermittent release	
		100 mg/l	PNEC sewage treatment plant (STP)	
		0,0015 mg/l	PNEC aquatic, freshwater	
68479-98-1	diethylmethylbenzenediamine	5E-5 mg/l	PNEC aquatic, marine water	
		2 mg/kg	PNEC Secondary Poisoning	

**DNEL-/PNEC-values (continued)**

CAS No	Substance name	Value	Code	Remark
		14 mg/l	PNEC sewage treatment plant (STP)	
		0,0005 mg/l	PNEC aquatic, freshwater	
		0,0029 mg/kg	PNEC sediment, marine water	

Additional advice

The statutory local and national regulations have to be observed.

8.2. Exposure controls**Respiratory protection**

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

Breathing apparatus in the event of aerosol or mist formation.

Short term: filter apparatus, filter A

Hand protection

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.

Glove material specification [make/type, thickness, permeation time/life, wetting resistance]: fluorinated rubber; 0,7mm; 480min; 60min;

Eye protection

tightly fitting goggles

Other protection measures

protective clothing

Appropriate engineering controls

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

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

viscous

Colour

yellowish

Odour

solvent-like

Odour threshold

not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value	not determined				
boiling point	not determined				
melting point	not determined				
Flash point	47 °C				
Vapourisation rate	not determined				
Flammable (solid)	not determined				



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	Value	Temperature	at	Method	Remark
Flammability (gas)	not determined				
Ignition temperature	not determined				
Self ignition temperature					The product is not self-igniting.
Lower explosion limit	not determined				
Upper explosion limit	not determined				
Vapour pressure	not determined				
Relative density	1,01 g/cm ³	20 °C			
Vapour density	> 1				
Solubility in water					insoluble
Solubility/other				Organic solvent	soluble
Partition coefficient n-octanol/water (log P O/W)	not determined				
Decomposition temperature	not determined				
Viscosity dynamic	not determined				
Viscosity kinematic	not determined				
Oxidising properties	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

Ignition hazard

Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

Keep away from heat.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

Nitrous gases
Carbon monoxide
Carbon dioxide
Toxic gases/vapours

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
LD50 acute oral	738 mg/kg	rat	OECD 401	CAS: 68479-98-1
LD50 acute dermal	> 2000 mg/kg	rat	OECD 402	CAS: 68479-98-1
LC50 acute inhalation	0,031 mg/l (4 h)	rat	OECD 403	CAS: 4098-71-9
Skin irritation	low irritant effect - not necessary to label			
Eye irritation	irritant		OECD 405	
Skin sensitization	sensitizing			

Subacute Toxicity - Carcinogenicity

	Value	Species	Method	Validation
Mutagenicity				No mutagenity, after different in-vitro studies.
Reproduction-Toxicity				No indications of toxic effects were observed in reproduction studies in animals.
Carcinogenicity				No indications of carcinogenic effects are available from long-term trials.

Specific target organ toxicity (single exposure)

May cause drowsiness or dizziness.

Specific target organ toxicity (repeated exposure)

May cause damage to organs, if longer exposed.

Experiences made from practice

Often and long skin contact may cause degreasing and desiccation of the skin which may cause skin irritation.
Vapours may cause dizziness, headaches and tiredness
Sensitization through skin contact possible.
Irritates respiratory tract.



Frequent persistent contact with the skin may cause skin irritation.

Additional information

The product is to be handled with the caution usual with chemicals.

Other hazardous properties may not be excluded.

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

	Value	Species	Method	Validation
Fish	LC50 > 1,5 mg/l (96 h)	Cyprinus carpio	EUMeth. C.1.	CAS: 53880-05-0
Daphnia	EC 50 0,5 mg/l (48 h)	Daphnia magna	EU Methode C.2	CAS: 68479-98-1
Algae	EC50 3,1 mg/l (72 h)	Pseudokirchneriella subcapitata	OECD 201	CAS: 53880-05-0
Bacteria	EC50 263 mg/l (3 h)	activated sludge		CAS: 4098-71-9

12.2. Persistence and degradability

	Elimination rate	Method of analysis	Method	Validation
Biological degradability	77,05 % (28 d)	Kohlenwasserstoffe, C9, Aromaten	OECD 301 F	not readily degradable

12.3. Bioaccumulative potential

Slight bioaccumulation potential.

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.

Even in the event of low quantities penetration into the underground drinking water is contaminated.

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.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Waste code No.**

08 01 11*

15 01 10*

Name of waste

waste paint and varnish containing organic solvents or other hazardous substances

packaging containing residues of or contaminated by hazardous substances

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.

**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

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	1263	1263	1263
14.2. UN proper shipping name	PAINT RELATED MATERIAL	PAINT RELATED MATERIAL ((MESITYLEN, Solvent naphtha (petroleum)))	Paint related material
14.3. Transport hazard class(es)	3	3	3
14.4. Packing group	III	III	III
14.5. Environmental hazards	Yes	Yes	Yes

14.6. Special precautions for user

No information available.

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 640E

Classification code F1

Marine transport IMDG

MARINE POLLUTANT

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

VOC content 61,9 %

VOC value 625,2 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.



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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: 8.5

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335	May cause respiratory irritation.
H335,	-?-
H378	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).
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.