

Trade name: WorléeSol E 150 W

Status: 02.02.2006

Product no.: 111054-06120

Version : 4 / GB

Date of printing :02.02.2006

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

### Identification of the substance or preparation

#### Trade name

WorléeSol E 150 W  
40% in water

### Company / undertaking identification

#### Address

Worlée - Chemie G m b H  
Söllerstraße 12 - 16  
D-21481 Lauenburg

Telephone no. + 49 (0) 4153 / 596 - 0

Fax no. + 49 (0) 4153 / 536 49

#### Information provided by / telephone

Product safety +49 (0) 4153 / 596 - 0

#### Emergency telephone number

+ 49 (0) 551-19240 Toxic Substances Information Centre North (Germany)

#### Use of the substance / preparation

Raw materials for coatings, sealants and adhesives.

## 2.) Composition / information on ingredients

### Chemical characterization

Aqueous alkyd emulsion

### (Hazardous) ingredients

#### WATER

CAS no.	7732-18-5			
Concentration	>= 55	<	60	%-b.w.

#### ALKYD RESIN, AMMONIUM SALT

Concentration	>= 40	<	45	%-b.w.
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## 3.) Hazards identification

### Specific information regarding risks for humans and for the environment

The product does not need to be labelled in accordance with directive 1999/45/EC. No special hazards to be mentioned. We recommend to refer to the Material Safety Data sheet for further detailed information.

## 4.) First aid measures

### General information

If the patient is likely to become unconscious, place and transport in stable sideways position. Do not induce vomiting or give liquor if the injured person is unconscious or has convulsions. If symptoms persist seek medical attention. In any case show the physician the Safety Data Sheet.

### After inhalation

Remove the casualty into fresh air and keep at rest.

### After skin contact

Remove contaminated clothing and shoes immediately and clean thoroughly before reuse. Do not allow the product to dry on the skin. Wash effected area immediately with plenty of water and soap.

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**After eye contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Begin with medical treatment.

**After ingestion**

Do not induce vomiting without medical advice. Seek medical attention.

**5.) Fire-fighting measures****Suitable extinguishing media**

Foam; Carbon dioxide; Dry chemical extinguisher; Water spray jet

**Extinguishing media which must not be used for safety reasons**

High volume water jet

**Special exposure hazards arising from the substance or preparation itself, its combustion products or resulting gases**

Fire will produce dense black smoke containing hazardous combustion products. In the event of fire the following substances can be released: Carbon monoxide (CO); Carbon dioxide (CO<sub>2</sub>); Nitrogen oxides (NO<sub>x</sub>)

**Special protective equipment for fire-fighters**

Wear a self-contained breathing apparatus. Wear protective clothing.

**Other information**

The product itself is hardly flammable. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Cool endangered containers with water spray jet. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

**6.) Accidental release measures****Personal precautions**

Ensure adequate ventilation. Use personal protective equipment. Refer to protective measures listed in sections 7 and 8.

**Environmental precautions**

Do not discharge into the drains / surface waters / groundwater. Prevent spread over a wide area e.g. by containment or oil barriers.

**Methods for cleaning up**

Soak up with inert absorbent material e.g. sand, kieselguhr, universal binder. Containers in which spilt substance has been collected must be adequately labelled. When picked up, treat material as prescribed under heading 13 "Disposal".

**7.) Handling and storage****Handling****Advice on safe handling**

Provide good ventilation of working area.

**Notes for prevention of fire and explosion**

The product is not easily combustible.

**Storage****Requirements for storage rooms and vessels**

Provide fixed floor container without outlet. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Appropriate material: Lined steel; Glass; Polyethylene  
Inappropriate material: Unlined steel

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**Further information on storage conditions**

Keep container tightly closed in a cool, well-ventilated place. Protect from frost. Protect from direct sunlight.

**Recommended storage temperature**

Value 5 - 25 °C

**8.) Exposure controls / personal protection**

**Additional advice on technical system design**

No action in addition to the ones mentioned in chapter 7 are necessary.

**Ingredients with occupational exposure limits to be monitored**

N O N E

**Personal protection equipment**

**Respiratory protection**

Not necessary, but do not inhale vapours.

**Hand protection**

Wear protective gloves in cases of prolonged contact (DIN EN 374). Protective gloves should in any case be tested for workplace-specific suitability (e.g. mechanical resistance, product compatibility, antistatic properties). Comply with instructions and information provided by the glove manufacturer concerning use, care and replacement of the gloves. Replace protective gloves immediately upon damage or at the first signs of wear. As far as possible, plan work procedures so that wearing gloves will not be necessary.

Appropriate material:	Nitrile	
Material thickness:	> 0,4	mm
Permeation time:	> 480	min

**Eye protection**

Safety goggles with lateral shielding (DIN EN 166)

**Skin protection**

Usual working clothes for the chemical industry, suitable for the job.

**General protective and hygiene measures**

Handle in accordance with good industrial hygiene and safety practice. When using, do not eat, drink or smoke. Use protective skin cream for preventive skin protection. Clean skin thoroughly after work. Apply skin cream.

**9.) Physical and chemical properties**

**Appearance**

Form	Liquid, viscous
Colour	Milky white
Odour	Mild

**Important health, safety and environmental information**

**Changes in physical state**

Type	Boiling point	
Value	100	°C

**Flash point**

Value	> 95	°C
Method	DIN EN 22719	

**Oxidizing properties**

Remarks	Not oxidizing
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**Explosion limits**

Risk of explosion	Not explosive
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**Vapour pressure**

Value	2,3		kPa
Reference temperature	20	°C	
Value	12,3		kPa
Reference temperature	50	°C	
Method	Value taken from the literature		
Reference substance	WATER		

**Density**

Value	1,02		g/cm <sup>3</sup>
Method	DIN EN ISO 2811-1		
Reference temperature	20	°C	

**Viscosity**

Value	50	- 1500	mPa*s
Method	Brookfield		
Reference temperature	20	°C	

**Solubility in water**

Remarks Completely miscible

**pH value**

Value	7,0	- 8,0
Reference temperature	20	°C
Method	DIN ISO 976	

**n-Octanol / water partition coefficient (log Pow)**

Remarks Not determined

**10.) Stability and reactivity**

**Conditions to avoid**

Protect from frost. Protect from direct sunlight.

**Materials to avoid**

No hazardous reactions when stored and handled according to prescribed instructions.

**Hazardous decomposition products**

Thermal disintegration depends to a great extent on the external conditions. A complex mixture of solids, liquids and gases forms in the air, including among other substances carbon dioxide, carbon monoxide and other organic compounds, when this material is burnt or is thermally or oxidatively degraded.

**11.) Toxicological information**

**Acute toxicity**

**Acute oral toxicity**

LD50	> 2000	mg/kg
Species	Rat	
Method	tris-OECD 423	

**Irritant / corrosive effects**

**Irritant effect on skin**

Species	Rabbit
Evaluation	Not irritant
Method	OECD 404

**Irritant effect on eyes**

Species	Rabbit
Evaluation	Not irritant
Method	OECD 405

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**Sensitization**

Species	Guinea pig
Evaluation	Not sensitizing
Method	OECD 406

**Experience in practice**

Regular contacts specially after drying, can lead to skin and eye irritation.

**12.) Ecological information**

**Ecotoxic effects**

**Daphnia toxicity**

LC50	> 1000	mg/l
Species	Daphnia magna	
Duration of exposure	48	h
Method	OECD 202	

**Degradability**

Evaluation	Not readily degradable
Method	OECD 301 B
Remarks	In view of the desired stability the polymer substance is only slightly biodegradable.

**General information / ecology**

Do not allow spillage to soil, waterways or waste water canal.

**13.) Disposal considerations**

**Product**

Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.  
 Incineration in suitable incineration plant, observing local authority regulations.

**Uncleaned packaging**

Product residues must be emptied out of packaging material, which must then be disposed of in the proper fashion in agreement with legal regulations. Packaging from which residues have not been removed must be disposed of in co-operation with the regional disposal authority.

**14.) Transport information**

**Other information**

The product does not constitute a hazardous substance in national / international road, rail, sea and air transport.

**15.) Regulatory information**

**Labelling in accordance with EC directives**

The product does not require a hazard warning label in accordance with EC directives.

**VOC-Content**

2004/42/EC, bp. <= 250°C	1,2	%
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**16.) Other information**

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.