

Material Safety Data Sheet

Trade name: WorléeSol E 150 W

Status: 2.12.2004

Product no.: 111054-06120

Version: 1.0.0 / USA

Date of printing: 02.12.2004

1.) Identification of the substance/preparation and company

Product details

Trade name

WorléeSol E 150 W

Identification of the manufacturer / supplier

Address

Worlée - Chemie G m b H

Söllerstr. 12 - 16

D-21481 Lauenburg

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

Fax no. +49 (0)4153 536 49

Information provided by / telephone

+49 (0)4153 596-0 (Product Safety)

Emergency telephone number

+49 (0)551 19240 (Anti Poison Center / Giftinformationszentrum Nord)

2.) Composition / information on ingredients

Chemical characterization

Dissolved alkyd resin (preparation)

3.) Hazards identification

Potential Health Effects

Eye

Slightly irritating but does not injure eye tissue.

Skin

Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

Inhalation

No hazard in normal industrial use.

Ingestion

No hazard in normal industrial use.

Cancer

None of the components present in this material at concentrations equal or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

4.) First aid measures

General information

In case of persisting adverse effects, consult a physician.

After inhalation

Remove the casualty into fresh air and keep him calm.

After skin contact

Remove contaminated clothing immediately, even underwear and shoes. Wash off immediately with soap and water.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). In case of irritation consult an oculist.

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After ingestion

Do not induce vomiting. Take medical treatment.

5.) Firefighting measures

Suitable extinguishing media

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

Extinguishing media that must not be used for safety reasons

Full water jet

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

In the event of fire, the following can be released:

Carbon dioxide (CO₂)

Carbon monoxide (CO)

Special protective equipment for firefighting

Use self-contained breathing apparatus. Wear protective clothing.

Other information

Cool endangered containers with water spray jet. Fire residues and contaminated firefighting water must be disposed off in accordance with the local regulations.

6.) Accidental release measures

Personal precautions

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

Environmental precautions

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

Methods for cleaning up/taking up

Take up with absorbent material (e.g., sand, diatomaceous earth, universal binder). When picked up, treat material as prescribed under heading "Disposal considerations".

7.) Handling and storage

Handling

Advice on safe handling

Provide good ventilation of working area (local exhaust ventilation if necessary).

Advice on protection against fire and explosion

No special measures necessary. The product is not easily combustible.

Storage

Requirements for storage rooms and vessels

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Provide floor trough without outlets. Always keep in containers of same material as the original one.

Further information on storage conditions

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

8.) Exposure controls / personal protection

Exposure limit values

N O N E

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Personal protective equipment

Respiratory protection

A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Hand protection

Wear appropriate gloves to prevent skin exposure.

Eye protection

Use chemical splash goggles and face shield (ANSI Z87.1 or approved equivalent).

Skin protection

Wear appropriate clothing to minimize contact with skin.

9.) Physical and chemical properties

General information

Form	Viscous
Color	milky white
Odor	weak

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		

Vapor pressure

Value		2.3	kPa
Reference temperature	20	°C	
Value		12.3	kPa
Reference temperature	50	°C	
Source	Literature value		

Density

Value		1.02	g/cm ³
Method	DIN EN ISO 2811-1		
Reference temperature	20	°C	

Viscosity

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

pH value

Value	7.0	- 8.0	
Reference temperature	20	°C	
Method	DIN ISO 976		

10.) Stability and reactivity

Conditions to avoid

none, if handled according to order

Materials to avoid

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

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Hazardous decomposition products

No hazardous decomposition products known.

11.) Toxicological information

Experience in practice

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

Other information

Product specific toxicological data are not known.

12.) Ecological information

General information / ecology

Ecological data are not available.

Do not discharge product unmonitored into the environment.

13.) Disposal considerations

Product

Dispose of in accordance with federal, state and local regulations.

14.) Transport information

Other information

The product is not defined under USDOT, IMDG, GGVSee, or ICAO/IATA regulations as a hazardous material.

Canada: The product is not defined under Transport Dangerous Goods Directorate regulations as a hazardous material.

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15.) Regulatory information

Regulations

US Federal Regulations

TSCA (Toxic Substances Control Act)

The Material is a mixture as defined by TSCA. The chemical ingredients in this material are in the Section 8(b) Chemical Substances Inventory and/or are otherwise in compliance with TSCA.

Clean Water Act (CWA):

None of the ingredients is listed.

Clean Air Act:

None of the ingredients is listed.

OSHA: None of the ingredients is "hazardous" according to the of the Hazard Communication Standard (29 CFR 1910.1200)

SARA Section 302 (RQ):

None of the ingredients is listed.

SARA HAZARD CATEGORY (Section 311/312)

This product is not classified as hazardous in accordance with US OSHA Hazard Communication Standard 29 CFR 1910.1200.

SARA Section 313 INFORMATION:

None of the ingredients is listed.

HAPS (Hazardous Air Pollutants):

None of the ingredients is listed.

IARC

None of the ingredients is listed.

State Regulations

New Jersey Worker and Community Right to Know Act.

None of the ingredients is listed.

California Proposition 65.

None of the ingredients is listed.

Pennsylvania HAZARDOUS SUBSTANCE LIST

None of the ingredients is listed.

Canada Federal Regulations

DSL/NDSL (Canada)

All components are listed on the DSL or NDSL inventory.

Workplace Hazardous Materials Information System (WHMIS) - Canada

This product had been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS Classification: not classified

National Pollutant Release Inventory - Appendix 1 - Canada.

None of the ingredients is listed.

National Pollutant Release Inventory - Appendix 2 - Canada.

None of the ingredients is listed.

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16.) Other information

HMIS Classification

Flammability :	1
Health	1
PPE	B
Reactivity	0

NFPA Rating

Fire Hazard	1
Health	1
Reactivity	0

Other information

Abbreviations:

ACGIH American Conference of Governmental Hygienics

CAS Chemical Abstracts Service

HAPS Hazardous Air Pollutants

HMIS Hazardous Material Identifikation System

IARC International Agency for Research on Cancer

IDLH Immediate Dangerous to Life and Health

LEL Lower Explosion Limit

NTP National Toxicology Program

OEL Occupational Exposure Limit

OSHA Occupational Safety and Health Administration

PEL Permissible Exposure Limit

PPE Personal Protection Equipment

SARA Superfund Amendments and Reauthorization Act

STEL Short-Term Exposure Level (15 minutes)

TWA Time-Weighted Average (8 hours)

UEL Upper Explosion Limit

VOC Volatile Organic Compounds

WEEL Workplace Environmental Exposure Level

Canadian Abbreviations:

DSL Domestic Substance List

NDSL Non-Domestic Substance List

NPRI National Pollutant Release Inventory

TDG Transport Dangerous Goods Directorate

WHMIS Workplace Hazardous Materials Information System

Department issuing safety data sheet

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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.