

## Safety data sheet in accordance with regulation (EC) No 1907/2006

Commercial Product Name: **Lignal RESIN-OIL**

Product code: OE 82-7

Print Date : 01.12.2008

Revision Date: 29.01.2008

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

Identification of the substance or preparation

Lignal RESIN-OIL OE 82-7

Use of the substance/preparation

Surface treatment of wood and other materials

Company/undertaking identification

Hesse GmbH & Co

Warendorfer Str. 21

59075 Hamm

Telephone : 0 23 81 / 963-00

Telefax : 0 23 81 / 963 849

E-mail address of person responsible for this SDS

rainer.schoenfeld@hesse-lignal.de

Emergency telephone 0 23 81 / 788 612

### 2. Hazards identification

Specific hazards to man and the environment

Flammable.

Repeated exposure may cause skin dryness or cracking.

### 3. Composition/information on ingredients

Hazardous components

- Chemical Name

EC-No.

CAS-No.

Weight %

Labelling

- Hydrocarbons, isoparaffinic

292-459-0

90622-57-4

10 - 25 %

Xn

53-65-66

- naphtha, hydrodesulfurized heavy

265-185-4

64742-82-1

< 0.5 %

Xn,N

10-51/53-65-66  
67

- octanoic acid, zirconium salt

18312-04-4

1 - 2.5 %

Xi,N

38-50/53

- distillates, hydrotreated light

265-149-8

64742-47-8

25 - 50 %

Xn

10-65-66

For the full text of the R phrases mentioned in this Section, see  
Section 16.

### 4. First aid measures

General advice

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

When symptoms persist or in all cases of doubt seek medical advice.

If unconscious place in recovery position and seek medical advice.

Take off contaminated clothing and wash before re-use.

First aider needs to protect himself.

Move out of dangerous area.

Inhalation

In case of accident by inhalation: remove casualty to fresh air and keep at rest.

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Keep patient warm and at rest.

Consult a physician for severe cases.

### Skin contact

Wash off immediately with soap and plenty of water.

Do not use solvents or thinners.

If skin irritation persists, call a physician.

### Eye contact

In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Consult a physician.

### Ingestion

Do not induce vomiting.

Call a physician immediately.

### Notes to physician

### Treatment

Treat symptomatically.

## 5. Fire-fighting measures

### Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

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

Do not use a solid water stream as it may scatter and spread fire.

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

As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10).

Exposure to decomposition products may be a hazard to health.

Vapours may form explosive mixtures with air.

### Special protective equipment for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary.

### Further Information

Do not allow run-off from fire fighting to enter drains or water courses.

Cool closed containers exposed to fire with water spray.

Standard procedure for chemical fires.

## 6. Accidental release measures

### Personal precautions

Remove all sources of ignition.

Ensure adequate ventilation.

Do not breathe vapours or spray mist.

Refer to protective measures listed in sections 7 and 8.

### Environmental precautions

Do not flush into surface water or sanitary sewer system.

Avoid subsoil penetration.

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Contact the proper local authorities.

### Methods for cleaning up

Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).

Clean contaminated floors and objects thoroughly while observing environmental regulations.

Clean with detergents. Avoid solvents.

Keep in suitable, closed containers for disposal.

## 7. Handling and storage

### Handling

#### Advice on safe handling

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits.

The product should only be used in areas from which all naked lights and other sources of ignition have been excluded.

Preparation may charge electrostatically: always use earthing leads when transferring from one container to another.

Take measures to prevent the build up of electrostatic charge.

Wear shoes with conductive soles.

No sparking tools should be used.

Avoid contact with the skin and the eyes.

Do not breathe vapours or spray mist.

When using, do not eat, drink or smoke.

For personal protection see section 8.

#### Advice on protection against fire and explosion

Vapours may form explosive mixtures with air.

Vapours are heavier than air and may spread along floors.

Standard procedure for chemical fires.

Do not process in the same cabin together with highly flammable material (e.g. CN lacquer) => fire hazard through self ignition!

Cleaning cloth soaked with the product can self ignite during packing up, therefore dry the cloth on a line or through spreading and dispose of after dry up.

### Storage

#### Requirements for storage areas and containers

Keep in an area equipped with solvent resistant flooring.

Store at room temperature in the original container.

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

#### Advice on common storage

Keep away from oxidising agents and strongly acid or alkaline materials.

#### Further information on storage conditions

Protect from frost, heat and sunlight.

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Keep away from sources of ignition - No smoking.  
In accordance with local and national regulations.

### 8. Expose controls/personal protection

#### Exposure limit values

##### - Chemical Name

CAS-No.	Type	Concentration
- Hydrocarbons, isoparaffinic		
90622-57-4	Occupational Ex	600 mg/m3
- naphtha, hydrodesulfurized heavy		
64742-82-1	Occupational Ex	600 mg/m3
- distillates, hydrotreated light		
64742-47-8	Occupational Ex	600 mg/m3

#### Exposure controls

##### Occupational exposure controls

Apply technical measures to comply with the occupational exposure limits.

Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL, suitable respiratory protection must be worn.

**Respiratory protection** In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

Recommended Filter type:

Combination filter:

A2-P2 (EN 141, 143, 371)

**Hand protection** Protective gloves complying with EN 374.

Glove material

Multilayer gloves made from

Fluorinated rubber

butyl-rubber

This recommendation is only valid for the product mentioned in the safety data sheet and provided by us and for the application specified by us.

The exact break through time can be obtained from the protective glove producer and this has to be observed.

Replace damaged gloves immediately.

**Eye protection** safety glasses with side-shields conforming to EN166

**Skin and body protection** Wear suitable protective clothing.  
Remove and wash contaminated clothing before re-use.

Wash hands before breaks and at the end of workday.

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### 9. Physical and chemical properties

#### General information

Form	liquid
Colour	colourless
Odour	characteristic

#### Important health, safety and environmental information

##### Change in physical state

##### Boiling range (VOC/H<sub>2</sub>O)

150	until	193	°C
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##### Flash point

36	until	55	°C
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##### Relative density

		0.902 kg/l
	at	20 °C

##### Water solubility

immiscible

##### Flow time DIN 4 mm

34	until	40	s
	at	20	°C

##### Volatile organic compounds (VOC) content

50.1	%
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### 10. Stability and reactivity

#### Conditions to avoid

Stable under normal conditions.

To avoid thermal decomposition, do not overheat.

#### Materials to avoid

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

#### Hazardous decomposition products

Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.

No decomposition if stored and applied as directed.

### 11. Toxicological information

#### Remarks

No data is available on the product itself.

Classification according to European directive on classification of hazardous preparations 1999/45/EC.

High concentration of vapours may cause irritation to eyes and respiratory system and produce narcotic effects.

Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

The liquid splashed in the eyes may cause irritation and reversible damage.

#### Further information

Health injuries are not known or expected under normal use.

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### 12. Ecological information

#### Remarks

No data is available on the product itself.  
Should not be released into the environment.  
Ecological injuries are not known or expected under normal use.

### 13. Disposal considerations

#### Product

Where possible recycling is preferred to disposal or incineration.  
The product should not be allowed to enter drains, water courses or the soil.

European Waste Catalogue

080111 - waste paint and varnish containing organic solvents or other dangerous substances

200127 - paint, inks, adhesives and resins containing dangerous substances

#### modified product

European Waste Catalogue

080113 - sludges from paint or varnish containing organic solvents or other dangerous substances

080115 - aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances

#### dried residues

European Waste Catalogue

080112 - waste lacquers and waste paint except those falling under 080111

#### Contaminated packaging

Empty remaining contents.

Empty containers should be taken to local recyclers for disposal.

Germany: KBS system for sheet covering

European Waste Catalogue

150110 - packaging containing residues of or contaminated by dangerous substances

### 14. Transport information

#### ADR/RID (Land transport)

UN 1263 Class 3 Packaging group III

Description of the goods

PAINT

Further Information

Special Provision 640E

#### IMDG (Sea transport)

UN 1263 Class 3 Packaging group III

EmS F-E,S-E Marine pollutant NO

Proper technical name

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#### ICAO/IATA (Air transport)

UN 1263 Class 3 Packaging group III

Proper technical name

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### 15. Regulatory information

Labelling according to EC Directives

The product is classified and labelled in accordance with Directive 1999/45/EC.

R-phrases(s)

10 Flammable.

66 Repeated exposure may cause skin dryness or cracking.

Special labelling of certain preparations

Cloth contaminated with the product can catch fire when folded up.

Therefore it must be dried on a line or spread out before disposal.

National regulations

TA-Luft

TA Luft	Class I:	0	%
	Class II:	0	%

Risk classification according to BetrSichV (Germany)

Flammable.

Water Hazard Class (Ger.)

WGK 1: slightly water-endangering

### 16. Other information

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

Text of R phrases mentioned in Section 3

10 Flammable.

38 Irritating to skin.

50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

53 May cause long-term adverse effects in the aquatic environment.

65 Harmful: may cause lung damage if swallowed.

66 Repeated exposure may cause skin dryness or cracking.

67 Vapours may cause drowsiness and dizziness.

This safety datasheet only contains information relating to safety and does not replace any product information or product specification. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication.

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The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.

The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

The information contained herein is based on the present state of our knowledge and does therefore not guarantee certain properties.