

Material Safety Data Sheet
According to 91/155 EEC

Printing date 19.03.2004

Reviewed on 28.05.2003


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

- Product details
- Trade name: Werdol Coasterpaint all colours
- Application of the substance / the preparation
Paint
One component traditional paint for use above the waterline
- Manufacturer/Supplier:
W.HEEREN & ZOON BV
Postbus 166
1430 AD Aalsmeer
tel. +31-297-360366
fax. +31-297-342078
- Further information obtainable from: Department Research & Development
- Information in case of emergency: See under Manufacturer/Supplier

2 Composition/information on ingredients

- Chemical characterization
- Description:
Resin mixture
Solvent mixture with pigment additives

- Dangerous components:

CAS: 64742-48-9	Naphtha (petroleum), hydrotreated heavy	30.239%
EINECS: 265-150-3	 Xn; R 10-65-66	

- Additional information:
For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

- Hazard description: Not applicable.
- Information concerning particular hazards for human and environment:
The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
R 10 Flammable.
R 66 Repeated exposure may cause skin dryness or cracking.
- Classification system:
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

4 First-aid measures

- General information:
Take affected persons out into the fresh air.
Immediately remove any clothing soiled by the product.
- After inhalation:
Supply fresh air; consult doctor in case of complaints.
- After skin contact: Generally the product does not irritate the skin.
- After eye contact:
Rinse opened eye for several minutes under running water.
- After swallowing: Seek medical treatment.

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- Information for doctor:
- Treatment
If swallowed, gastric irrigation with added, activated carbon.

5 Fire-fighting measures

- Suitable extinguishing agents:
CO₂, sand, extinguishing powder. Do not use water.
- For safety reasons unsuitable extinguishing agents:
Water
Water with full jet
- Special hazards caused by the substance, its products of combustion or resulting gases:
Formation of toxic gases is possible during heating or in case of fire.
Carbon monoxide (CO)
- Protective equipment: Wear fully protective suit.
- Additional information
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

6 Accidental release measures

- Person-related safety precautions:
Wear protective clothing.
Keep away from ignition sources.
- Measures for environmental protection:
Do not allow to enter sewers/ surface or ground water.
- Measures for cleaning/collecting:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- Additional information:
See Section 8 for information on personal protection equipment.

7 Handling and storage

- Handling:
• Information for safe handling: Keep away from heat and direct sunlight.
- Information about fire - and explosion protection:
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
- Storage:
• Requirements to be met by storerooms and receptacles:
Store only in the original receptacle.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions:
Protect from heat and direct sunlight.

8 Exposure controls/personal protection

- Additional information about design of technical facilities:
No further data; see item 7.
- Ingredients with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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- **Additional information:**
The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Wash hands before breaks and at the end of work.
- **Respiratory protection:**
Suitable respiratory protective device recommended.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/
the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be
given for the product/ the preparation/ the chemical mixture.
- **Material of gloves**
The selection of the suitable gloves does not only depend on the
material, but also on further marks of quality and varies from
manufacturer to manufacturer. As the product is a preparation of
several substances, the resistance of the glove material can not be
calculated in advance and has therefore to be checked prior to the
application.
- **Penetration time of glove material**
The exact break trough time has to be found out by the manufacturer of
the protective gloves and has to be observed.
- **Eye protection:** Safety glasses
- **Body protection:** Use protective suit.

9 Physical and chemical properties

- **General Information**

Form:	Fluid
Colour:	According to product specification
Odour:	Characteristic

- **Change in condition**

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.

- **Flash point:** > 42°C

- **Flammability (solid, gaseous):** Flammable.

- **Ignition temperature:** 240°C

- **Decomposition temperature:** nvt °C

- **Self-igniting:** Product is not selfigniting.

- **Danger of explosion:** Product is not explosive. However,
formation of explosive air/vapour
mixtures are possible.

- **Explosion limits:**

Lower:	0.6 Vol %
Upper:	7.0 Vol %

- **Vapour pressure at 20°C:** 1 hPa

- **Density at 20°C:** +-0.010 1.215 g/cm³ (ISO 2811)

- **Solubility in / Miscibility with
water:** Insoluble.

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- | | |
|--------------------|-------------------------------|
| • Viscosity: | |
| Kinematic at 20°C: | + -1.5 40 s (ISO 6 mm) |
| • Solvent content: | |
| Organic solvents: | + -1.5 31.9 % |
| • Solids content: | + -1.5 69.1 % (VB% (1h 150C)) |

10 Stability and reactivity

- Thermal decomposition / conditions to be avoided:
No decomposition if used according to specifications.
- Dangerous reactions No dangerous reactions known.
- Dangerous decomposition products:
No dangerous decomposition products known.

11 Toxicological information

- Acute toxicity:

- LD/LC50 values relevant for classification:

64742-48-9 Naphtha (petroleum), hydrotreated heavy

Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>3000 mg/kg (rab)

64742-95-6 Solvent naphtha (petroleum), light arom.

Oral	LD50	>6800 mg/kg (rat)
Dermal	LD50	>3400 mg/kg (rab)
Inhalative	LC50/4 h	>10.2 mg/l (rat)

- Primary irritant effect:
- on the skin: No irritant effect.
- on the eye: Irritating effect.
- Sensitization: No sensitizing effects known.

12 Ecological information

- Information about elimination (persistence and degradability):
- Other information: The product is biodegradable.
- Behaviour in environmental systems:
- Mobility and bioaccumulation potential:
Not worth-mentioning accumulating in organisms
- Ecotoxicological effects:
- Remark: Harmless to algae up to the tested concentration.
- General notes:
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

13 Disposal considerations

- Product:
- Recommendation
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

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- Uncleaned packaging:
- Recommendation:
Disposal must be made according to official regulations.

14 Transport information

- Land transport ADR/RID (cross-border)



- ADR/RID class: 3 F1 Flammable liquids.
- Danger code (Kemler): 30
- UN-Number: 1263
- Packaging group: III
- Hazard label 3
- Description of goods: 1263 PAINT

- Maritime transport IMDG:



- IMDG Class: 3
- UN Number: 1263
- Label 3
- Packaging group: III
- Marine pollutant: No
- Proper shipping name: PAINT

- Air transport ICAO-TI and IATA-DGR:



- ICAO/IATA Class: 3
- UN/ID Number: 1263
- Label 3
- Packaging group: III
- Proper shipping name: PAINT

15 Regulatory information

- Labelling according to EU guidelines:
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.
- Hazard-determining components of labelling:
Naphtha (petroleum), hydrotreated heavy
- Risk phrases:
10 Flammable.
66 Repeated exposure may cause skin dryness or cracking.
- Safety phrases:
2 Keep out of the reach of children.
7 Keep container tightly closed.

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29 Do not empty into drains.

46 If swallowed, seek medical advice immediately and show this container or label.

- Special labelling of certain preparations:
Contains 2-butanone oxime. May produce an allergic reaction.
- National regulations:
- Technical instructions (air):

Class	Share in %
II	0.9
III	0.3

- Waterhazard class:
Water hazard class 2 (Self-assessment): hazardous for water.

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant R-phrases
10 Flammable.
65 Harmful: may cause lung damage if swallowed.
66 Repeated exposure may cause skin dryness or cracking.
- Department issuing MSDS: Department Research & Development
- Contact: T.J.H.M. van Steenes