

# Safety data sheet

## according to 1907/2006/EC, Article 31

Printing date 17.07.2017

Version number 1

Revision: 17.07.2017

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

- 1.1 Product identifier
- Trade name: **Recoat 2K MAT WD 4:1**
- Article number: 88252
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- Sector of Use
  - SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
  - SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
- Application of the substance / the mixture Coating compound/ Surface coating/ paint
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:
  - Dercom B.V.
  - Platinawerf 24A
  - 6641 TL Beuningen - Holland
  - Tel: 0031 24 67 525 74
  - Fax: 0031 24 67 525 77
- Further information obtainable from: a.derks@dercom.nl
- 1.4 Emergency telephone number:
  - 0031 6 100 145 27
  - National Poisoning Information Centre - Bilthoven - The Netherlands
  - T +31 (0)30 274 88 88
  - Restricted to physicians for information on ingredients.

### SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008
  - The product is not classified according to the CLP regulation.
- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008 Void
- Hazard pictograms Void
- Signal word Void
- Hazard statements Void
- Precautionary statements
  - P260 Do not breathe mist/vapours/spray.
  - P273 Avoid release to the environment.
  - P280 Wear protective gloves / eye protection.
- Additional information:
  - EUH208 Contains Derivative of Benzotriazol, Reaction mass of pentamethylpiperidyl sebacat, reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.
  - EUH210 Safety data sheet available on request.
  - Restricted to professional users.
- 2.3 Other hazards
- Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.

### SECTION 3: Composition/information on ingredients

- 3.2 Chemical characterisation: Mixtures
- Description: Mixture of substances listed below with nonhazardous additions.
- Dangerous components %(m/m):
 

CAS: 107-98-2	1-methoxy-2-propanol	0.5-2.5%
EINECS: 203-539-1	⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336	
Reg.nr.: 01-2119457435-35		
CAS: 14808-60-7	Quartz (SiO <sub>2</sub> )	0.5-2.5%
EINECS: 238-878-4	⚠ STOT RE 2, H373	
- Regulation (EC) No 648/2004 on detergents / Labelling for contents
  - preservation agents (Mixture of 5-Chloro-2-methyl-isothiazol-3(2H)-one and 2-methylisothiazol-3(2H)-one with magnesium chloride and magnesium nitrate)
- Additional information: For the wording of the listed hazard phrases refer to section 16.

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### SECTION 4: First aid measures

- 4.1 Description of first aid measures
  - General information: No special measures required.
  - 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. Then consult a doctor.
    - Remove contactlenses.
  - After swallowing:
    - Do not induce vomiting; call for medical help immediately.
    - Rinse mouth.
- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed  
No further relevant information available.

### SECTION 5: Firefighting measures

- 5.1 Extinguishing media
  - Suitable extinguishing agents: CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- 5.2 Special hazards arising from the substance or mixture
  - During heating or in case of fire poisonous gases are produced.
  - Carbon monoxide (CO)
- 5.3 Advice for firefighters
- Protective equipment: No special measures required.

### SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Mount respiratory protective device.
- 6.2 Environmental precautions:
  - Do not allow product to reach sewage system or any water course.
  - Inform respective authorities in case of seepage into water course or sewage system.
  - Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up:
  - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  - Ensure adequate ventilation.
- 6.4 Reference to other sections
  - See Section 7 for information on safe handling.
  - See Section 8 for information on personal protection equipment.
  - See Section 13 for disposal information.

### SECTION 7: Handling and storage

- 7.1 Precautions for safe handling
  - No special measures required.
  - Ensure good ventilation/exhaustion at the workplace.
  - Prevent formation of aerosols.
- Information about fire - and explosion protection: Keep respiratory protective device available.
- 7.2 Conditions for safe storage, including any incompatibilities
  - Storage:
    - Requirements to be met by storerooms and receptacles: No special requirements.
    - Information about storage in one common storage facility: Store away from oxidising agents.
    - Further information about storage conditions: Protect from frost.
  - Storage class: 10
- 7.3 Specific end use(s) No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.

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- 8.1 Control parameters
- Ingredients with limit values that require monitoring at the workplace:

**107-98-2 1-methoxy-2-propanol**IOELV Short-term value: 568 mg/m<sup>3</sup>, 150 ppmLong-term value: 375 mg/m<sup>3</sup>, 100 ppm

Skin

- DNELs

**107-98-2 1-methoxy-2-propanol**

Dermal	Acute - short-term exposure - systemic effects	553.5 mg/kg (worker)
	Long-term exposure - systemic effects	183 mg/kg bw/day (worker)
	Long-term exposure - systemic effects	50.6 mg/kg (worker)
Inhalative	Acute - short-term exposure - local effects	553.5 mg/m <sup>3</sup> (worker)
	Long-term exposure - systemic effects	369 mg/m <sup>3</sup> (worker)

**Reaction mass of pentamethylpiperidyl sebacat**

Dermal	Acute - short-term exposure - systemic effects	2.5 mg/kg bw/day (worker)
	Long-term exposure - systemic effects	2.5 mg/kg bw/day (worker)
Inhalative	Acute - short-term exposure - systemic effects	2.35 mg/m <sup>3</sup> (worker)
	Long-term exposure - systemic effects	2.35 mg/m <sup>3</sup> (worker)

- PNECs

**107-98-2 1-methoxy-2-propanol**

PNEC 5.2 mg/kg (sediment marine water)

52.3 mg/kg (sediment freshwater)

4.59 mg/kg (soil)

PNEC 100 mg/l (STP)

10 mg/l (aqua, freshwater)

1 mg/l (aqua, marine water)

**Reaction mass of pentamethylpiperidyl sebacat**

PNEC 0.21 mg/kg (bd)

0.11 mg/kg (sediment marine water)

1.05 mg/kg (sediment freshwater)

PNEC 1 mg/l (STP)

0.0022 mg/l (aqua, freshwater)

0.00022 mg/l (aqua, marine water)

0.009 mg/l (intermittent release water)

- Additional information: The lists valid during the making were used as basis.

- 8.2 Exposure controls
- Personal protective equipment:
- General protective and hygienic measures: Do not inhale gases / fumes / aerosols.
- Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.
- Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- Material of gloves

Nitrile rubber, NBR

Suitable materials for safety gloves (EN 374):

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 through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· Eye protection:



Tightly sealed goggles

· Body protection: Protective work clothing

### SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Appearance:

Form:	Fluid
Colour:	Clear
· Odour:	Characteristic
· Odour threshold:	Not determined.

· pH-value at 20 °C: 8

· Change in condition

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	2,230 °C

· Flash point: &gt;63 °C

· Flammability (solid, gas): Not applicable.

· Ignition temperature: &gt;370 °C

· Decomposition temperature: Not determined.

· Auto-ignition temperature: Product is not selfigniting.

· Explosive properties: Product does not present an explosion hazard.

· Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

· Vapour pressure at 20 °C: 23 hPa

· Density at 20 °C: 1.15 g/cm<sup>3</sup>

· Relative density: Not determined.

· Vapour density: Not determined.

· Evaporation rate: Not determined.

· Solubility in / Miscibility with water:

Slightly soluble.

· Partition coefficient: n-octanol/water: Not determined.

· Viscosity:

Dynamic at 20 °C:	19000-21000 mPas
Kinematic:	Not determined.

· Solvent content:

Organic solvents:	2.2 %
Water:	3.4 %
VOC (EC)	3.79 %

Solids content: 48.0 %

· 9.2 Other information: No further relevant information available.

### SECTION 10: Stability and reactivity

· 10.1 Reactivity: No further relevant information available.

· 10.2 Chemical stability

· Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

· 10.3 Possibility of hazardous reactions: No dangerous reactions known.

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- . 10.4 Conditions to avoid No further relevant information available.
- . 10.5 Incompatible materials: Oxidizing agents.
- . 10.6 Hazardous decomposition products: No dangerous decomposition products known.

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### SECTION 11: Toxicological information

- . 11.1 Information on toxicological effects
  - . Acute toxicity Based on available data, the classification criteria are not met.
  - . LD/LC50 values relevant for classification:
    - 107-98-2 1-methoxy-2-propanol**
    - Oral LD50 >2000 <-5000 mg/kg (/)
    - Dermal LD50 >5000 mg/kg (/)
    - . Primary irritant effect:
      - . Skin corrosion/irritation Based on available data, the classification criteria are not met.
      - . Serious eye damage/irritation Based on available data, the classification criteria are not met.
      - . Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
      - . CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
        - . Germ cell mutagenicity Based on available data, the classification criteria are not met.
        - . Carcinogenicity Based on available data, the classification criteria are not met.
        - . Reproductive toxicity Based on available data, the classification criteria are not met.
        - . STOT-single exposure Based on available data, the classification criteria are not met.
        - . STOT-repeated exposure Based on available data, the classification criteria are not met.
        - . Aspiration hazard Based on available data, the classification criteria are not met.

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### SECTION 12: Ecological information

- . 12.1 Toxicity
  - . Aquatic toxicity:
    - 107-98-2 1-methoxy-2-propanol**
    - LC50
      - >1000 mg/l (MO)
      - >1000 mg/l (ZK)
      - >1000 mg/l (algae)
      - >1000 mg/l (fish)
    - Reaction mass of pentamethylpiperidyl sebacat**
    - NOEC/21d (dynamic) 1 mg/l (daphnia magna) (OESO 211)
    - EC50/3h >100 mg/l (ac) (OESO 209)
    - EC50/72h (static) 1.68 mg/l (desmodesmus supspicatus) (OESO 201)
    - EC50/24h 20 mg/l (daphnia magna) (OESO 202)
    - LC50/96h
      - 0.97 mg/l (lepomis macrochirus) (OESO 203)
      - 0.9 mg/l (Brachydanio rerio) (OESO 203)
      - 7.9 mg/l (oncorhynchus mykiss) (OESO 203)
- . 12.2 Persistence and degradability No further relevant information available.
- . 12.3 Bioaccumulative potential

- . 12.4 Mobility in soil No further relevant information available.
- . Additional ecological information:
  - . General notes:
    - LogPow 0.37 (/)
    - Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
    - Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- . 12.5 Results of PBT and vPvB assessment
  - . PBT: Not applicable.
  - . vPvB: Not applicable.
- . 12.6 Other adverse effects No further relevant information available.

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### SECTION 13: Disposal considerations

- . 13.1 Waste treatment methods
  - . Recommendation Smaller quantities can be disposed of with household waste.

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- European waste catalogue  
08 01 11\* waste paint and varnish containing organic solvents or other hazardous substances
- Uncleaned packaging:
- Recommendation: Disposal must be made according to official regulations.

### SECTION 14: Transport information

- 14.1 UN-Number
- ADR/ADN, ADN, IMDG, IATA
- 14.2 UN proper shipping name
- ADR/ADN, ADN, IMDG, IATA
- 14.3 Transport hazard class(es)
- ADR/ADN, ADN, IMDG, IATA
- Class
- 14.4 Packing group
- ADR/ADN, IMDG, IATA
- 14.5 Environmental hazards:
- 14.6 Special precautions for user
- 14.7 Transport in bulk according to Annex II of  
Marpol and the IBC Code
- UN "Model Regulation":

Void

Void

Void

Void

Not applicable.

Not applicable.

Not applicable.

Void

### SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.
- National regulations:
- Other regulations, limitations and prohibitive regulations  
The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

### SECTION 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 phrases  
H226 Flammable liquid and vapour.  
H336 May cause drowsiness or dizziness.  
H373 May cause damage to organs through prolonged or repeated exposure.
- Department issuing SDS: Product safety department.
- Contact: Mrs. A. Derks
- Abbreviations and acronyms:  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
VOC: Volatile Organic Compounds (USA, EU)  
DNEL: Derived No-Effect Level (REACH)  
PNEC: Predicted No-Effect Concentration (REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Flam. Liq. 3: Flammable liquids – Category 3  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

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