

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 15.11.2018

Version number 1

Revision: 15.11.2018

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

- 1.1 Product identifier
- Trade name: **Recoat 2K AG Gloss WD 4:1**
- Article number: 98772
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- Sector of Use
 - SU21 Consumer uses: Private households / general public / consumers
 - SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites
- 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:
 - 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



GHS07

Skin Sens. 1 H317 May cause an allergic skin reaction.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008
 - The product is classified and labelled according to the CLP regulation.
- Hazard pictograms



GHS07

- Signal word Warning
- Hazard-determining components of labelling:
 - 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)
- Hazard statements
 - H317 May cause an allergic skin reaction.
 - H412 Harmful to aquatic life with long lasting effects.
- Precautionary statements
 - P280 Wear protective gloves / eye protection.
 - P284 In case of inadequate ventilation wear respiratory protection.
 - P302+P352 IF ON SKIN: Wash with plenty of soap and water.
 - P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
 - P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- Additional information:
 - Restricted to professional users.
- 2.3 Other hazards
- Results of PBT and vPvB assessment
- PBT: Not applicable.
- vPvB: Not applicable.

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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	2.5-10%
EINECS: 203-539-1	⚠ Flam. Liq. 3, H226; ⚠ STOT SE 3, H336	
Reg.nr.: 01-2119457435-35		
CAS: 100-51-6	Benzyl alcohol	2.5-10%
EINECS: 202-859-9	⚠ Acute Tox. 4, H302; Acute Tox. 4, H332; Eye Irrit. 2, H319	
Reg.nr.: 01-2119492630-38		
ELINCS: 400-830-7	Derivative of Benzotriazol	0.5-2.5%
Reg.nr.: 01-0000015075-76	⚠ Aquatic Chronic 2, H411; ⚠ Skin Sens. 1, H317	
CAS: 5131-66-8	3-butoxypropan-2-ol	0.5-2.5%
EINECS: 225-878-4	⚠ Flam. Liq. 3, H226; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319	
Reg.nr.: 01-2119475527-28		
Reg.nr.: 01-2119491304-40	Reaction mass of pentamethylpiperidyl sebacat	0.5-2.5%
	⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Sens. 1, H317	

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

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: Immediately remove any clothing soiled by the product.

After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

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: CO2 or powder. Fight larger fights with alcohol resistant foam.

5.2 Special hazards arising from the substance or mixture Carbon monoxide (CO)

5.3 Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Not required.

6.2 Environmental precautions:

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).

Dispose contaminated material as waste according to item 13.

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.

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SECTION 7: Handling and storage

- 7.1 Precautions for safe handling No special precautions are necessary if used correctly.
- Information about fire - and explosion protection: No special measures required.
- 7.2 Conditions for safe storage, including any incompatibilities
- Storage:
 - Requirements to be met by storerooms and receptacles: Store only in the original receptacle.
 - 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.
- 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/m³, 150 ppm
 Long-term value: 375 mg/m³, 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 ³ (worker)
	Long-term exposure - systemic effects	369 mg/m ³ (worker)

100-51-6 Benzyl alcohol

Dermal	Acute - short-term exposure - systemic effects	40 mg/kg bw/day (worker)
	Long-term exposure - systemic effects	8 mg/kg bw/day (worker)
Inhalative	Acute - short-term exposure - systemic effects	110 mg/m ³ (worker)
	Long-term exposure - systemic effects	22 mg/m ³ (worker)

Derivative of Benzotriazol

Dermal	Long-term exposure - systemic effects	0.5 mg/kg bw/day (worker)
Inhalative	Long-term exposure - systemic effects	0.35 mg/m ³ (worker)

5131-66-8 3-butoxypropan-2-ol

Dermal	Long-term exposure - systemic effects	44 mg/kg bw/day (worker)
Inhalative	Long-term exposure - systemic effects	270.5 mg/m ³ (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 ³ (worker)
	Long-term exposure - systemic effects	2.35 mg/m ³ (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)

100-51-6 Benzyl alcohol

PNEC 5.27 mg/kg (sediment freshwater)
 0.456 mg/kg (soil)
 PNEC 39 mg/l (STP)

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- 1 mg/l (aqua, freshwater)
- 2.3 mg/l (aqua, intermittent releases)
- 0.1 mg/l (aqua, marine water)
- 0.527 mg/l (sediment marine water)

Derivative of Benzotriazol

- PNEC 2 mg/kg (bd)
 - 0.306 mg/kg (sediment marine water)
 - 3.06 mg/kg (sediment freshwater)
- PNEC 10 mg/l (STP)
 - 0.00023 mg/l (aqua, marine water)
 - 0.0023 mg/l (aqua freshwater)
 - 0.028 mg/l (intermittent release water)

5131-66-8 3-butoxypropan-2-ol

- PNEC 0.236 mg/kg (sediment marine water)
 - 2.36 mg/kg (sediment freshwater)
 - 0.16 mg/kg (soil)
- PNEC 0.525 mg/l (aqua, freshwater)
 - 5.25 mg/l (aqua, intermittent releases)
 - 0.0525 mg/l (sediment marine water)
 - 10 mg/l (STP)

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:**

Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.

· **Respiratory protection:**

Short term filter device:
Filter A.

· **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**

Suitable materials for safety gloves (EN 374):
Fluorocarbon rubber gloves (Viton)

· **Penetration time of glove material**

Thickness of the gloves \geq 0.4 mm (benzylalcohol).
Value for the permeation \geq 480 min (benzylalcohol)

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

· **Eye protection:**

Tightly sealed goggles

· **Body protection:** Solvent resistant protective clothing

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SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
 - General Information
 - Appearance:
 - Form: Fluid
 - Colour: According to product specification
 - Odour: Mild
 - Odour threshold: Not determined.
 - pH-value: Not determined.
 - Change in condition
 - Melting point/freezing point: Undetermined.
 - Initial boiling point and boiling range: 100 °C
 - Flash point: >61 °C
 - Flammability (solid, gas): Not applicable.
 - Ignition temperature: 270 °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: 0.95 g/cm³
 - 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: 10,000-12,000 mPas
 - Kinematic: Not determined.
 - Solvent content:
 - Organic solvents: 10.1 %
 - VOC (EC): 10.13 %
- 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: Reacts with strong oxidizing agents.
- 10.4 Conditions to avoid: High temperatures.
- 10.5 Incompatible materials: Oxidizing agents
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

- 11.1 Information on toxicological effects
 - Acute toxicity: Based on available data, the classification criteria are not met.

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· LD/LC50 values relevant for classification:

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

Oral LD50 >2,000 mg/kg (rat)

Dermal LD50 >5,000 mg/kg (rat)

100-51-6 Benzyl alcohol

Oral LD50 1,620 mg/kg (rat)

Inhalative LC50 >4,178 mg/m³ (rat)**Derivative of Benzotriazol**

Oral LD50 >5,000 mg/kg (rat) (OESO 401)

Dermal LD50 >2,000 ml/kg (rat) (OESO 402)

5131-66-8 3-butoxypropan-2-ol

Oral LD50 ~3,000 mg/kg (rat) (OESO 423)

Dermal LD50 >2,000 mg/kg (rat) (OESO 402)

Inhalative LC50/4h >651 ppm (rat)

LC50/4h >3.4 mg/l (rat)

· 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

May cause an allergic skin reaction.

· 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.

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:

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

LC50 >1,000 mg/l (MO)

>1,000 mg/l (ZK)

>1,000 mg/l (algae)

>1,000 mg/l (fish)

100-51-6 Benzyl alcoholEC50/96h 640 mg/l (*scenedesmus quadricauda*)

EC50/16h >658 mg/l (bacteria) (DIN 38412 Teil 8)

NOEC/21d 51 mg/l (*daphnia magna*) (OECD 211)NOEC/72h 310 mg/l (*pseudokirchneriella subcapitata*) (OESO 201)EC50/72h 770 mg/l (*pseudokirchneriella subcapitata*) (OESO 201)LC50/48h 230 mg/l (*daphnia magna*) (OESO 202)LC50/96h 460 mg/l (*pimphales promelas*)**Derivative of Benzotriazol**NOEC/21d (dynamic) 0.78 mg/l (*daphnia magna*) (OESO 202)EC10/72h (static) 10 mg/l (*pseudokirchneriella subcapitata*) (OESO 201)

EC50/3h (static) >1,000 mg/l (ac) (OESO 209)

LC0/14d >1,000 mg/kg (*Eisenia foetida*) (OESO 207)NOEC/56d 100 mg/kg (*Eisenia foetida*) (OESO 222)EC50/48h (static) 4 mg/l (*daphnia magna*) (OESO 202)

EC50/72h (static) >9 mg/l (algae) (OESO 201)

LC50/96h (static) mg/l (*oncorhynchus mykiss*)**5131-66-8 3-butoxypropan-2-ol**

EC50/96h (static) >1,000 mg/l (algae)

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EC50/48h (static) >1,000 mg/l (daphnia) (OESE 202, part 1)
 LC50/96h >100 mg/l (pimphales promelas)

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.

. Degree of elimination:

100-51-6 Benzyl alcohol

OECD 301C/14d 92-96 % (l)

. 12.3 Bioaccumulative potential

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

LogPow 0.37 (l)

100-51-6 Benzyl alcohol

BCF 1.37 (l)

LogPow 1.1 (l)

. 12.4 Mobility in soil No further relevant information available.

. Ecotoxicological effects:

. Remark: Harmful to fish

. Additional ecological information:

. General notes:

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.

Harmful to aquatic organisms

. 12.5 Results of PBT and vPvB assessment

. PBT: Not applicable.

. vPvB: Not applicable.

. 12.6 Other adverse effects No further relevant information available.

SECTION 13: Disposal considerations

. 13.1 Waste treatment methods

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

. European waste catalogue

16 10 01* aqueous liquid wastes containing 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 Void

. 14.2 UN proper shipping name

. ADR/ADN, ADN, IMDG, IATA Void

. 14.3 Transport hazard class(es)

. ADR/ADN, ADN, IMDG, IATA

. Class Void

. 14.4 Packing group

. ADR/ADN, IMDG, IATA Void

. 14.5 Environmental hazards: Not applicable.

. 14.6 Special precautions for user Not applicable.

. 14.7 Transport in bulk according to Annex II of

Marpol and the IBC Code Not applicable.

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UN "Model Regulation": 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.
 - REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
 - 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.
 - H302 Harmful if swallowed.
 - H315 Causes skin irritation.
 - H317 May cause an allergic skin reaction.
 - H319 Causes serious eye irritation.
 - H332 Harmful if inhaled.
 - H336 May cause drowsiness or dizziness.
 - H400 Very toxic to aquatic life.
 - H410 Very toxic to aquatic life with long lasting effects.
 - H411 Toxic to aquatic life with long lasting effects.
- 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
 - Acute Tox. 4: Acute toxicity – Category 4
 - Skin Irrit. 2: Skin corrosion/irritation – Category 2
 - Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
 - Skin Sens. 1: Skin sensitisation – Category 1
 - STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
 - Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
 - Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
 - Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
 - Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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