

# Safety data sheet

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

Printing date 26.04.2021

Version number 1

Revision: 26.04.2021

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

- . 1.1 Product identifier
- . Trade name: **Recoat Stix Flex RFU**
- . Article number: 344901
- . 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 Lacquer
- . 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
  - 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
  - P280 Wear protective gloves / eye protection.
  - P285 In case of inadequate ventilation wear respiratory protection.
  - P302+P352 IF ON SKIN: Wash with plenty of soap and water.
  - P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- . Additional information:
  - EUH208 Contains 1,2-benzisothiazol-3(2H)-one. 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: 111-76-2	2-butoxyethanol	0.5-2.5%
EINECS: 203-905-0	⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit.	
Reg.nr.: 01-2119475108-36 2, H319		
- . 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; consult doctor in case of complaints.
- . After skin contact: Immediately wash with water and soap and rinse thoroughly.
- . After eye contact:
  - Rinse opened eye for several minutes under running water. Then consult a doctor.

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- 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:**
  - Use fire extinguishing methods suitable to surrounding conditions.
  - CO<sub>2</sub> or powder. Fight larger fights with alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water spray
- **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:**
  - Dilute with plenty of water.
  - 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.
  - Collect leaking fluid in lockable waste containers.
- **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 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.
    - Store away from strong alkalis.
  - Further information about storage conditions: Protect from frost.
- **Storage class:** 12
- **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:**

#### 111-76-2 2-butoxyethanol

IOELV Short-term value: 246 mg/m<sup>3</sup>, 50 ppm  
Long-term value: 98 mg/m<sup>3</sup>, 20 ppm  
Skin

- **DNELs**

#### 111-76-2 2-butoxyethanol

Dermal Acute - short-term exposure - systemic effects 89 mg/kg bw/day (worker)  
Long-term exposure - systemic effects 125 mg/kg bw/day (worker)  
Inhalative Acute - short-term exposure - systemic effects 1,091 mg/m<sup>3</sup> (worker)  
Acute - short-term exposure - local effects 246 mg/m<sup>3</sup> (worker)

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Long-term exposure - systemic effects 98 mg/m<sup>3</sup> (worker)

## · PNECs

**111-76-2 2-butoxyethanol**

PNEC 3.46 mg/kg (sediment marine water)

34.6 mg/kg (sediment freshwater)

2.33 mg/kg (soil)

PNEC 463 mg/l (STP)

8.8 mg/l (aqua, freshwater)

9.1 mg/l (aqua, intermittent releases)

0.88 mg/l (aqua, marine 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: 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):

Butyl rubber, BR

· Penetration time of glove material

Thickness of the gloves  $\geq 0.5$  mm (2-butoxyethanol)Value for the permeation: Level  $\geq 480$  min (2-butoxyethanol)

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

· Eye protection: Goggles recommended during refilling

· Body protection: Solvent resistant protective clothing

## 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:

Nearly odourless

· Odour threshold:

Not determined.

· pH-value:

Not determined.

· Change in condition

Melting point/freezing point:

Undetermined.

Initial boiling point and boiling range:  $\geq 100$  °C (7732-18-5 water, distilled, conductivity or of similar purity)

· Flash point:

Not applicable.

· Flammability (solid, gas):

Not applicable.

· 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:

 $\leq 23$  hPa (7732-18-5 water, distilled, conductivity or of similar purity)

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- Density at 20 °C: 1.01 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: 5,000-7,000 mPas
  - Kinematic: Not determined.
- Solvent content:
  - Organic solvents: 2.2 %
  - VOC (EC) 2.08 %
  - Solids content: 12.8 %
- 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.
- LD/LC50 values relevant for classification:
  - 111-76-2 2-butoxyethanol**
  - Oral LD50 1,400 mg/kg (cv)  
>300-2,000 mg/kg (rat)
  - Dermal LD50 >2,000 mg/kg (rat) (OESO 402)
  - Inhalative LC0/1h >3.1 mg/l (cv) (OESO 403)
- 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.
- Additional toxicological information:
  - 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:
  - 111-76-2 2-butoxyethanol**
  - NOEC/21d >100 mg/l (daphnia magna) (OESO 201)
  - NOEC/72h >280 mg/l (algae) (OESO 201)

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EC50/48h 1,550 mg/l (daphnia magna) (OESO 202)

EC50/72h 911 mg/l (pseudokirchneriella subcapitata) (OESO 201)

LC50/96h 1,474 mg/l (oncorhynchus mykiss) (OESO 203)

. 12.2 Persistence and degradability No further relevant information available.

. 12.3 Bioaccumulative potential

**111-76-2 2-butoxyethanol**

BCF &lt;100 (/)

LogPow 0.81 (/)

. 12.4 Mobility in soil No further relevant information available.

. 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.

. 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

08 01 19\* aqueous suspensions containing paint or varnish containing organic solvents or other hazardous substances

. Uncleaned packaging:

. Recommendation: Disposal must be made according to official regulations.

. Recommended cleansing agents: Water, if necessary together with cleansing agents.

**SECTION 14: Transport information**

. 14.1 UN-Number

. ADR/ADN, IMDG, IATA Void

. 14.2 UN proper shipping name

. ADR/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.

. 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.

. DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

. REGULATION (EU) 2019/1148

. Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

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### · Annex II - REPORTABLE EXPLOSIVES PRECURSORS

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

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

### · Department issuing SDS: Product safety department.

### · Contact: Mrs. A. Derks

### · Abbreviations and acronyms:

ADR: Accord relatif au transport international 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

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