

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 01.03.2022

Version number 1

Revision: 01.03.2022

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

1.1 Product identifier

Trade name: **Recoat STIX RFU**

Article number: 327401

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

Uses advised against SU21 Consumer uses: Private households / general public / consumers

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:

Restricted to physicians for information on ingredients.
 National Poisoning Information Centre - Bilthoven - The Netherlands
 T +31 (0)30 274 88 88

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

P273 Avoid release to the environment.
 P280 Wear protective clothing / eye protection.
 P280 Wear protective gloves.
 P302+P352 IF ON SKIN: Wash with plenty of soap and water.

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 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, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319	
Reg.nr.: 01-2119475108-36	ATE: LD50 oral: 1,200 mg/kg	

(Contd. on page 2)

— EU —

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 01.03.2022

Version number 1

Revision: 01.03.2022

Trade name: **Recoat STIX RFU**

(Contd. of page 1)

CAS: 2634-33-5 EINECS: 220-120-9 Reg.nr.: 01-2120761540-60	1,2-benzisothiazol-3(2H)-one ☠ Eye Dam. 1, H318; ☠ Aquatic Acute 1, H400; Aquatic Chronic 2, H411; ☠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317 Specific concentration limit: Skin Sens. 1; H317: C ≥ 0.05 %	<0.05%
CAS: 26530-20-1 EINECS: 247-761-7	2-octyl-2H-isothiazol-3-one ☠ Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 2, H330; ☠ Skin Corr. 1, H314; Eye Dam. 1, H318; ☠ Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); ☠ Skin Sens. 1A, H317, EUH071 ATE: LD50 oral: 125 mg/kg LC50/4h inhalative: 0.27 mg/m ³ LD50 dermal: 311 mg/kg Specific concentration limit: Skin Sens. 1A; H317: C ≥ 0.0015 %	≥0.0025-<0.025%
CAS: 55965-84-9 Reg.nr.: 01-2120764691-48	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) ☠ Acute Tox. 3, H301; Acute Tox. 2, H310; Acute Tox. 2, H330; ☠ Skin Corr. 1B, H314; Eye Dam. 1, H318; ☠ Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); ☠ Skin Sens. 1, H317, EUH071 Specific concentration limits: Skin Corr. 1C; H314: C ≥ 0.6 % Skin Irrit. 2; H315: 0.06 % ≤ C < 0.6 % Skin Sens. 1A; H317: C ≥ 0.002 %	≥0.00025-<0.002%

· 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.
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.
- 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.
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:
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.
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).
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.

— EU —
(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 01.03.2022

Version number 1

Revision: 01.03.2022

Trade name: **Recoat STIX RFU**

(Contd. of page 2)

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

111-76-2 2-butoxyethanol

IOELV Short-term value: 246 mg/m³, 50 ppm
 Long-term value: 98 mg/m³, 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 ³ (worker)
	Acute - short-term exposure - local effects	246 mg/m ³ (worker)
	Long-term exposure - systemic effects	98 mg/m ³ (worker)

2634-33-5 1,2-benzisothiazol-3(2H)-one

Dermal	Long-term exposure - systemic effects	0.966 mg/kg bw/day (worker)
Inhalative	Long-term exposure - systemic effects	6.81 mg/m ³ (worker)

55965-84-9 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)

Inhalative	Acute - short-term exposure - local effects	0.04 mg/m ³ (worker)
	Long-term exposure - local effects	0.02 mg/m ³ (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)

2634-33-5 1,2-benzisothiazol-3(2H)-one

PNEC 3 mg/kg (soil)
 PNEC 0.403 µg/L (aqua, marine water)
 4.03 µg/L (aqua freshwater)
 PNEC 4.99 µg/kg (sediment marine water)
 49.9 µg/kg (sediment freshwater)
 PNEC 1.03 mg/l (STP)

55965-84-9 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)

PNEC 0.027 mg/kg (sediment marine water)
 0.027 mg/kg (sediment freshwater)
 PNEC 3.39 µg/L (aqua, marine water)

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 01.03.2022

Version number 1

Revision: 01.03.2022

Trade name: **Recoat STIX RFU**

(Contd. of page 3)

3.39 µg/L (aqua freshwater)

PNEC 0.23 mg/l (STP)

- Additional information: The lists valid during the making were used as basis.
- 8.2 Exposure controls
- Appropriate engineering controls No further data; see item 7.
- Individual protection measures, such as 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.
- Hand protection



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):
 - Natural rubber, NR
- 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.
- Eye/face protection Goggles recommended during refilling
- Body protection: Protective work clothing
- Environmental exposure controls No further data; see item 6 and 13.

SECTION 9: Physical and chemical properties

- 9.1 Information on basic physical and chemical properties
- General Information
- Physical state Fluid
- Colour: According to product specification
- Odour: Mild
- Odour threshold: Not determined.
- Melting point/freezing point: Undetermined.
- Boiling point or initial boiling point and boiling range ≥ 100 °C (7732-18-5 water, distilled, conductivity or of similar purity)
- Flammability Not applicable.
- Lower and upper explosion limit
- Lower: Not determined.
- Upper: Not determined.
- Flash point: Not applicable.
- Decomposition temperature: Not determined.
- pH Not determined.
- Viscosity:
- Kinematic viscosity at 20 °C 16 s (DIN 53211/4)
- Dynamic: Not determined.
- Solubility
- water: Slightly soluble.
- Partition coefficient n-octanol/water (log value) Not determined.
- Vapour pressure at 20 °C: ≤ 23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)
- Density and/or relative density
- Density at 20 °C: 1.01 g/cm³
- Relative density Not determined.
- Vapour density Not determined.
- 9.2 Other information
- Appearance:
- Form: Fluid
- Important information on protection of health and environment, and on safety.
- Auto-ignition temperature: Product is not selfigniting.

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 01.03.2022

Version number 1

Revision: 01.03.2022

Trade name: **Recoat STIX RFU**

(Contd. of page 4)

· Explosive properties:	Product does not present an explosion hazard.
· Solvent content:	
· Organic solvents:	2.7 %
· Water:	84.2 %
· VOC (EC)	2.63 %
· Solids content:	13.0 %
· Change in condition	
· Evaporation rate	Not determined.
· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Void
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

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 hazard classes as defined in Regulation (EC) No 1272/2008
- 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	1,200 mg/kg (ATE)
		1,400 mg/kg (cv)
Dermal	LD50	>2,000 mg/kg (rat)

26530-20-1 2-octyl-2H-isothiazol-3-one

Oral	LD50	125 mg/kg (ATE)
Dermal	LD50	311 mg/kg (ATE)
Inhalative	LC50/4h	0.27 mg/m ³ (ATE)

55965-84-9 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)

Oral	LD50	1,096 mg/kg (rat)
------	------	-------------------

- 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.
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 01.03.2022

Version number 1

Revision: 01.03.2022

Trade name: **Recoat STIX RFU**

(Contd. of page 5)

- 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.
- 11.2 Information on other hazards
- Endocrine disrupting properties

80-54-6 p-t-Butyl-alpha-methylhydrocinnamic aldehyde: List II

118-58-1 benzyl salicylate: List II

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)

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

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

LC50/96h 1,464 mg/l (oncorhynchus mykiss) (OESO 203)

55965-84-9 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)

EC50/48h 0.16 mg/l (daphnia magna)

EC50/72h 0.018 mg/l (algae)

LC50/96h 0.28 mg/l (lepomis macrochirus)

0.19 mg/l (fish)

- 12.2 Persistence and degradability No further relevant information available.
- Degree of elimination:

111-76-2 2-butoxyethanol

BOD/28d 90.4 % (/) (OECD TG 301 B)

- 12.3 Bioaccumulative potential

111-76-2 2-butoxyethanol

BCF <100 (/)

LogPow 0.81 (/)

- 12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment

- PBT: Not applicable.
- vPvB: Not applicable.

- 12.6 Endocrine disrupting properties For information on endocrine disrupting properties see section 11.

- 12.7 Other adverse effects

- 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.

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 or ID number

- ADR/ADN, IMDG, IATA

Void

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 01.03.2022

Version number 1

Revision: 01.03.2022

Trade name: **Recoat STIX RFU**

(Contd. of page 6)

- . 14.2 UN proper shipping name
- . ADR/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 Maritime transport in bulk according to IMO instruments
- . UN "Model Regulation":

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.
- . 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.
- . Annex II - REPORTABLE EXPLOSIVES PRECURSORS
- . None of the ingredients is listed.
- . Regulation (EC) No 273/2004 on drug precursors
- . None of the ingredients is listed.
- . Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug 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
- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H310 Fatal in contact with skin.
- H311 Toxic in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H330 Fatal if inhaled.
- H332 Harmful if inhaled.
- 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.
- EUH071 Corrosive to the respiratory tract.
- . Department issuing SDS: Product safety department.

(Contd. on page 8)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 01.03.2022

Version number 1

Revision: 01.03.2022

Trade name: **Recoat STIX RFU**

(Contd. of page 7)

· Contact: Mrs. A. Derks

· Date of previous version: 01.03.2022

· 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. 3: Acute toxicity – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 2: Acute toxicity – Category 2

Skin Corr. 1: Skin corrosion/irritation – Category 1

Skin Corr. 1B: Skin corrosion/irritation – Category 1B

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1A: Skin sensitisation – Category 1A

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

· * Data compared to the previous version altered.

— EU —