

# Safety data sheet according to UK REACH

Printing date 31.07.2024

Version number 5

Revision: 31.07.2024

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

- **1.1 Product identifier**
- **Trade name** ROSTSTOPP FERABRIN FE 100
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture**  
Coating compound/ Surface coating/ paint  
Rust protection primer
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
MUREXIN GmbH  
Franz v. Furtenbachstr. 1  
A-2700 Wiener Neustadt  
Tel.: +43 (0)2622/27401
- **Informing department:** chemikalieninfo@murexin.com
- **1.4 Emergency telephone number:**  
UK National poisons Emergency number.: +44 (0) 870 600 6266

## SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



flame

Flam. Liq. 3      H226 Flammable liquid and vapour.



Eye Irrit. 2      H319 Causes serious eye irritation.

STOT SE 3      H336 May cause drowsiness or dizziness.

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 GB CLP regulation.
- **Hazard pictograms**



GHS02 GHS07

- **Signal word** Warning
- **Hazard-determining components of labelling:**  
Hydrotreated heavy Naphtha  
butanol
- **Hazard statements**  
H226 Flammable liquid and vapour.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.  
H412 Harmful to aquatic life with long lasting effects.

- **Precautionary statements**  
P101      If medical advice is needed, have product container or label at hand.  
P102      Keep out of reach of children.

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- P103 Read carefully and follow all instructions.  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261 Avoid breathing mist/vapours/spray.  
P280 Wear protective gloves / eye protection / face protection.  
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

• **Additional information:**

EUH066 Repeated exposure may cause skin dryness or cracking.  
Contains phthalic anhydride, cobalt(II) 2-ethylhexanoate. May produce an allergic reaction.

• **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 consisting of the following components with harmless additives.  
Alkyd resin containing solvent

• **Dangerous components:**

CAS: 64742-48-9 EINECS: 265-150-3	Hydrotreated heavy Naphtha Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H336 EUH066	10-25%
CAS: 64742-48-9 EC number: 918-481-9 Reg.nr.: 01-2119457273-39-xxxx	NAPHTA (petroleum), hydrotreated heavy Asp. Tox. 1, H304 EUH066	10-25%
CAS: 78-83-1 EINECS: 201-148-0 Reg.nr.: 01-211948609-23-xxxx	butanol Flam. Liq. 3, H226 Eye Dam. 1, H318 Skin Irrit. 2, H315; STOT SE 3, H335 STOT SE 3, H336 EUH301	1-2.5%
CAS: 7779-90-0 EINECS: 231-944-3	trizinc bis(orthophosphate) Aquatic Acute 1, H400; Aquatic Chronic 1, H410	≥1-<2.5%
ELINCS: 432-430-3 Reg.nr.: 01-0000017860-69-xxx	Polyamidwachs Aquatic Chronic 4, H413	1-2.5%
CAS: 85-44-9 EINECS: 201-607-5	phthalic anhydride Resp. Sens. 1, H334 Eye Dam. 1, H318 Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	≥0.1-<0.5%
CAS: 136-52-7 EINECS: 205-250-6 Reg.nr.: 01-2119524678-29	cobalt(II) 2-ethylhexanoate Acute Tox. 4, H302; Skin Sens. 1, H317	≥0.1-<0.5%

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### SECTION 4: First aid measures

#### · 4.1 Description of first aid measures

· **General information** Instantly remove any clothing soiled by the product.

#### · **After inhalation**

Take affected persons into the open air and position comfortably

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness bring patient into stable side position for transport.

#### · **After skin contact**

If skin irritation continues, consult a doctor.

Instantly wash with water and soap and rinse thoroughly.

· **After eye contact** Rinse opened eye for several minutes under running water. Then consult doctor.

#### · **After swallowing**

Rinse mouth thoroughly with water. Do not give anything to eat or drink.

Do not induce vomiting; instantly call for medical help.

#### · **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>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

· **For safety reasons unsuitable extinguishing agents** Water with a full water jet.

#### · **5.2 Special hazards arising from the substance or mixture**

A fire produces thick black smoke.

Inhalation of hazardous decomposition products may cause serious damage to health.

#### · **5.3 Advice for firefighters**

· **Protective equipment:** Wear self-contained breathing apparatus.

#### · **Additional information**

Cool endangered containers with water spray jet.

Collect contaminated fire fighting water separately. It must not enter drains.

### SECTION 6: Accidental release measures

#### · **6.1 Personal precautions, protective equipment and emergency procedures**

Ensure adequate ventilation

Keep away from ignition sources

Wear protective equipment. Keep unprotected persons away.

Wear protective clothing.

#### · **6.2 Environmental precautions:**

Do not allow product to reach sewage system or water bodies.

Prevent material from reaching sewage system, holes and cellars.

Inform respective authorities in case product reaches water or sewage system.

#### · **6.3 Methods and material for containment and cleaning up:**

Contain with non-combustible absorbent material (e.g. sand, earth, vermiculite, diatomaceous earth).

Dispose of contaminated material as waste according to item 13.

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.

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See Section 13 for information on disposal.

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### SECTION 7: Handling and storage

#### 7.1 Precautions for safe handling

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Keep containers tightly sealed.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

#### Information about protection against explosions and fires:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Fumes can combine with air to form an explosive mixture.

#### 7.2 Conditions for safe storage, including any incompatibilities

##### Storage

##### Requirements to be met by storerooms and containers:

Store in cool location.

Store only in the original container.

##### Information about storage in one common storage facility:

Store away from oxidising agents.

Store away from foodstuffs.

##### Further information about storage conditions:

Protect from frost.

Keep container tightly sealed.

Store in cool, dry conditions in well sealed containers.

##### Storage class 3

##### 7.3 Specific end use(s) No further relevant information available.

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters

##### Components with critical values that require monitoring at the workplace:

##### 78-83-1 butanol

WEL Short-term value: 231 mg/m<sup>3</sup>, 75 ppm

Long-term value: 154 mg/m<sup>3</sup>, 50 ppm

##### 136-52-7 cobalt(II) 2-ethylhexanoate

WEL Long-term value: 0.1 mg/m<sup>3</sup>

as Co; Carc, Sen

##### Additional information: The lists that were valid during the compilation were used as basis.

#### 8.2 Exposure controls

##### Appropriate engineering controls No further data; see section 7.

##### Individual protection measures, such as personal protective equipment

##### General protective and hygienic measures

The usual precautionary measures should be adhered to in handling the chemicals.

Keep away from foodstuffs, beverages and food.

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

Do not inhale gases / fumes / aerosols.

##### Breathing equipment:

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

Filter A/P2.

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- **Hand protection**

Protective gloves.

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

- **Material of gloves**

Nitrile rubber, NBR

Butyl rubber, BR

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.

- **Penetration time of glove material**

> 480min.

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** Tightly sealed safety glasses.

- **Body protection:** Protective work clothing.

### 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

- **Smell:**

Type specific

- **Odour threshold:**

Not determined.

- **Melting point/freezing point:**

Not determined

- **Boiling point or initial boiling point and boiling range**

145 °C

- **Flammability**

Highly flammable.

- **Lower and upper explosion limit**

- **Lower:**

0.6 Vol % (64742-48-9 NAPHTA (petroleum), hydrotreated heavy)

- **Upper:**

7 Vol % (64742-48-9 NAPHTA (petroleum), hydrotreated heavy)

- **Flash point:**

23 °C

- **Auto-ignition temperature:**

200 °C

- **Decomposition temperature:**

Not determined.

- **pH at 20 °C**

6-8

- **Viscosity:**

- **Kinematic viscosity at 40 °C**

4,569.34 mm<sup>2</sup>/s

- **dynamic at 20 °C:**

6,000 mPas

- **Solubility**

- **Water:**

Not miscible or difficult to mix

- **Partition coefficient n-octanol/water (log value)**

Not determined.

- **Steam pressure at 20 °C:**

0.6 hPa

- **Density and/or relative density**

- **Density at 20 °C**

1.3 g/cm<sup>3</sup>

- **Relative density**

Not determined.

- **Vapour density**

Not determined.

- **9.2 Other information**

- **Appearance:**

- **Form:**

Fluid

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· **Important information on protection of health and environment, and on safety.**

- **Self-inflammability:** Product is not selfigniting.
- **Explosive properties:** Product is not explosive. However, formation of explosive air/steam mixtures is possible.
- **Solvent separation test** <3%
- **Solvent content:** 68.6 %
- **Solids content:** 68.6 %
- **Change in condition** Not determined.
- **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** Flammable liquid and vapour.
- **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**
- **Conditions to be avoided:** To avoid thermal decomposition do not overheat.
- **10.3 Possibility of hazardous reactions**  
At high temperatures, hazardous decomposition products such as carbon dioxide, carbon monoxide, smoke and nitrogen oxides may be produced: Carbon dioxide, carbon monoxide, smoke, nitrogen oxides.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** Strong acids and bases and strong oxidizing agents
- **10.6 Hazardous decomposition products:** None

### 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 that are relevant for classification:**

**64742-48-9 NAPHTHA (petroleum), hydrotreated heavy**

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

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**78-83-1 butanol**

Oral	LD50	3,350 mg/kg (rat) (OECD 401)
Dermal	LD50	>2,000 mg/kg (rabbit) (OECD 402)
Inhalative	LC50/4 h	>18.18 mg/l (rat)

**Polyamidwachs**

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

- **Serious eye damage/irritation** Causes serious eye irritation.
- **STOT-single exposure** May cause drowsiness or dizziness.
- **11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

### SECTION 12: Ecological information

· **12.1 Toxicity**· **Aquatic toxicity:****64742-48-9 NAPHTHA (petroleum), hydrotreated heavy**

IC 50	>100 mg/l (Acartia Tonsa)
LC50	>100 mg/l (Oncorhynchus mykiss (Regenbogenforelle))

**78-83-1 butanol**

EC 50	1,100 mg/l (G)
-------	----------------

**Polyamidwachs**

EC 50	>1,000 mg/l (G) (24h/48h)
LC50	>1,000 mg/l (Oncorhynchus mykiss (Regenbogenforelle)) 134 mg/l (G) (48hr; EPIWIN software)

- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **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**  
The product does not contain substances with endocrine disrupting properties.
- **12.7 Other adverse effects**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**  
Harmful to aquatic organisms  
Water hazard class (Germany) 1 (Self-assessment): slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

### SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**· **Recommendation**

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

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- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleaning agent:** Water, if necessary with cleaning agent.

### SECTION 14: Transport information

- |                                                                                                                                                                                                   |                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|
| <ul style="list-style-type: none"> <li>· <b>14.1 UN number or ID number</b></li> <li>· <b>ADR, ADN</b></li> <li>· <b>IMDG, IATA</b></li> </ul>                                                    | Void<br>UN1263                   |
| <ul style="list-style-type: none"> <li>· <b>14.2 UN proper shipping name</b></li> <li>· <b>ADR, ADN</b></li> <li>· <b>IMDG, IATA</b></li> </ul>                                                   | Void<br>PAINT                    |
| <ul style="list-style-type: none"> <li>· <b>14.3 Transport hazard class(es)</b></li> <li>· <b>ADR, ADN</b></li> <li>· <b>Class</b></li> </ul>                                                     | Void                             |
| <ul style="list-style-type: none"> <li>· <b>IMDG, IATA</b></li> </ul> <div style="text-align: center;">  </div> |                                  |
| <ul style="list-style-type: none"> <li>· <b>Class</b></li> <li>· <b>Label</b></li> </ul>                                                                                                          | 3 Flammable liquids.<br>3        |
| <ul style="list-style-type: none"> <li>· <b>14.4 Packing group</b></li> <li>· <b>ADR</b></li> <li>· <b>IMDG, IATA</b></li> </ul>                                                                  | Void<br>III                      |
| <ul style="list-style-type: none"> <li>· <b>14.5 Environmental hazards:</b></li> <li>· <b>Marine pollutant:</b></li> </ul>                                                                        | No                               |
| <ul style="list-style-type: none"> <li>· <b>14.6 Special precautions for user</b></li> <li>· <b>EMS Number:</b></li> <li>· <b>Stowage Category</b></li> </ul>                                     | Not applicable.<br>F-E, S-E<br>A |
| <ul style="list-style-type: none"> <li>· <b>14.7 Maritime transport in bulk according to IMO instruments</b></li> </ul>                                                                           | Not applicable.                  |
| <ul style="list-style-type: none"> <li>· <b>Transport/Additional information:</b></li> </ul>                                                                                                      |                                  |
| <ul style="list-style-type: none"> <li>· <b>ADR</b></li> <li>· <b>Limited quantities (LQ)</b></li> </ul>                                                                                          | 5L                               |
| <ul style="list-style-type: none"> <li>· <b>UN "Model Regulation":</b></li> </ul>                                                                                                                 | Void                             |

### SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - **Poisons Act**
- |                                                                                            |
|--------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>· <b>Regulated explosives precursors</b></li> </ul> |
| None of the ingredients is listed.                                                         |
| <ul style="list-style-type: none"> <li>· <b>Regulated poisons</b></li> </ul>               |
| None of the ingredients is listed.                                                         |

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· **Reportable explosives precursors**

None of the ingredients is listed.

· **Reportable poisons**

None of the ingredients is listed.

· **Directive 2012/18/EU**

· **Named dangerous substances - ANNEX I** None of the ingredients is listed.

· **Seveso category P5c** FLAMMABLE LIQUIDS

· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 5,000 t

· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 50,000 t

· **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.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H335 May cause respiratory irritation.

H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H413 May cause long lasting harmful effects to aquatic life.

EUH066 Repeated exposure may cause skin dryness or cracking.

EUH301 For use in industrial installations only.

· **Contact:** chemikalieninfo@murexin.com (+43 02622/27401)

· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

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)

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

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

Resp. Sens. 1: Respiratory sensitisation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Asp. Tox. 1: Aspiration hazard – Category 1

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 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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**Trade name ROSTSTOPP FERABRIN FE 100***Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4*

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**· \* Data compared to the previous version altered.**

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