

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 14.07.2021

Version number 4 (replaces version 3)

Revision: 14.07.2021

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

#### 1.1 Product Identifier:

**Trade name: Fyrewash F3 RTU**

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against:

**Product category:** PC35 Washing and cleaning products (including solvent based products)

**Application of the substance / the mixture:** Industrial cleaner

#### 1.3 Details of the supplier of the safety data sheet:

##### Manufacturer / Importer / Supplier:

Romaco BV  
Edisonstraat 11  
NL - 3261 LD Oud-Beijerland  
The Netherlands  
Tel: +31 186 615244  
Fax: +31 186 619385  
Email: info@rochem.nl

**Further information obtainable from:** Last edition of Material Safety Data Sheet on: www.rochem.nl

#### 1.4 Emergency telephone number:

Europe, Middle East & Africa: +44 1865 407333  
Americas: +1 215 207 0061  
Canada: +1 800 579 7421 (Toll Free)  
United States: +1 866 928 0789 (Toll Free)  
East/South East Asia: +65 3158 1412  
Australia: +61 18000 74234 (Toll Free) acces from Austalia only

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture:

**Classification according to Regulation (EC) No 1272/2008:**



Eye Irrit. 2 H319 Causes serious eye irritation.

#### 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 statements:

H319 Causes serious eye irritation.

##### Precautionary statements:

P280 Wear eye protection / face protection.

P264 Wash thoroughly after handling.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

#### 2.3 Other hazards:

The product does not contain any organic halogen compounds (AOX), nitrates, heavy metal compounds or formaldehydes.

##### Results of PBT and vPvB assessment:

**PBT:** Not applicable.

**vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

**Description:** Detergent composition

##### Components:

CAS: 9043-30-5 NLP: 500-027-2	Isotridecylalcohol. ethoxylated	Eye Dam. 1, H318;  Acute Tox. 4, H302	≤2.5%
CAS: 112-34-5 EINECS: 203-961-6 Index number: 603-096-00-8 Reg.nr.: 01-2119475104-44	2-(2-butoxyethoxy)ethanol	Eye Irrit. 2, H319	≤2.5%

(Contd. on page 2)

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(Contd. of page 1)

**Ingredients according to detergents regulation (EC nr. 648/2004):**

non-ionic surfactants	<5%
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**Additional information:** For the wording of the listed hazard phrases See section 16.

### SECTION 4: First aid measures

**4.1 Description of first aid measures:**

**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 (>15) under running water. Then consult a doctor.

**After ingestion:** Rinse out mouth and then drink plenty of water.

**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.

**5.2 Special hazards arising from the substance or mixture:** No further relevant information available.

**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:**

Particular danger of slipping on leaked/spilled product.

**6.2 Environmental precautions:**

Remainder 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).

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:**

Store in cool, dry place in tightly closed receptacles.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

**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 tanks:** No special requirements.

**Information about storage in one common storage facility:** Not required.

**Further information about storage conditions:** None.

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

GB

(Contd. on page 3)

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(Contd. of page 2)

### SECTION 8: Exposure controls/personal protection

#### 8.1 Control parameters:

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

##### 112-34-5 2-(2-butoxyethoxy)ethanol

WEL (Great Britain)	Short-term value: 101.2 mg/m <sup>3</sup> , 15 ppm Long-term value: 67.5 mg/m <sup>3</sup> , 10 ppm
DNEL (EU)	Short-term value: 101.2 mg/m <sup>3</sup> , 15 ppm Long-term value: 67.5 mg/m <sup>3</sup> , 10 ppm
IOELV (EU)	Short-term value: 101.2 mg/m <sup>3</sup> , 15 ppm Long-term value: 67.5 mg/m <sup>3</sup> , 10 ppm

##### DNELs

##### 112-34-5 2-(2-butoxyethoxy)ethanol

Oral	Long-term - systemic effects	1.3 mg/kg bw/day (Worker)
Dermal	Long-term - systemic effects	20 mg/kg bw/day (Consumer) 10 mg/kg bw/day (Worker)
Inhalative	Acute - local effects	50.6 mg/m <sup>3</sup> (Consumer)
	Acute - systemic effects	34 mg/m <sup>3</sup> (Worker)
	Long-term - local effects	67.3 mg/m <sup>3</sup> (Worker)
	Long-term - systemic effects	34 mg/m <sup>3</sup> (Consumer) 67.5 mg/m <sup>3</sup> (Worker)

##### PNECs

##### 112-34-5 2-(2-butoxyethoxy)ethanol

Fresh water	1 mg/l
Marine water	0.1 mg/l
Intermittent releases	3.9 mg/l
STP	200 mg/l
Fresh water sediment	4 mg/kg
Marine sediment	0.4 mg/kg
Soil	0.4 mg/kg

**Additional information:** The lists valid during the making 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 are to be adhered to when handling chemicals.

Avoid contact with the eyes.

**Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

**Hand protection** Not required.

**Material of gloves:** Not required

**Penetration time of glove material:** Not applicable.

**Eye/face protection**



Tightly sealed goggles

**Body protection:** Protective work clothing

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(Contd. of page 3)

### SECTION 9: Physical and chemical properties

#### 9.1 Information on basic physical and chemical properties:

##### General Information:

<b>Colour:</b>	Colourless.
<b>Odour:</b>	Odourless.
<b>Odour threshold:</b>	Not determined.
<b>Melting point/freezing point:</b>	-15 °C
<b>Boiling point or initial boiling point and boiling range</b>	>100 °C
<b>Flammability</b>	Not applicable.
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Flash point:</b>	Not applicable.
<b>Auto-ignition temperature:</b>	Product is not self-igniting.
<b>Decomposition temperature:</b>	Not determined.
<b>pH at 20 °C</b>	7 - 7.5
<b>Viscosity:</b>	
<b>Kinematic viscosity</b>	Not determined.
<b>Dynamic:</b>	Not determined.
<b>Solubility</b>	
<b>Water:</b>	Fully miscible.
<b>Refraction Index:</b>	
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
<b>Vapour pressure at 20 °C:</b>	23 hPa
<b>Density and/or relative density</b>	
<b>Density at 20 °C:</b>	0.98 - 1.02 g/cm <sup>3</sup>
<b>Relative density:</b>	Not determined.
<b>Vapour density:</b>	Not determined.

#### 9.2 Other information:

<b>Appearance:</b>	
<b>Form:</b>	Fluid
<b>Important information on protection of health and environment, and on safety.</b>	
<b>Ignition temperature:</b>	Not determined
<b>Explosive properties:</b>	Product does not present an explosion hazard.
<b>Congeaing Point</b>	
<b>Evaporation rate:</b>	Not determined.

#### Information with regard to physical hazard classes

<b>Explosives</b>	Void
<b>Flammable gases</b>	Void
<b>Aerosols</b>	Void
<b>Oxidising gases</b>	Void
<b>Gases under pressure</b>	Void
<b>Flammable liquids</b>	Void
<b>Flammable solids</b>	Void
<b>Self-reactive substances and mixtures</b>	Void
<b>Pyrophoric liquids</b>	Void
<b>Pyrophoric solids</b>	Void
<b>Self-heating substances and mixtures</b>	Void

#### Substances and mixtures, which emit flammable gases in

<b>contact with water</b>	Void
<b>Oxidising liquids</b>	Void
<b>Oxidising solids</b>	Void
<b>Organic peroxides</b>	Void
<b>Corrosive to metals</b>	Void
<b>Desensitised explosives</b>	Void

GB  
(Contd. on page 5)

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according to 1907/2006/EC, Article 31

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Version number 4 (replaces version 3)

Revision: 14.07.2021

**Trade name: Fyrewash F3 RTU**

(Contd. of page 4)

### 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.

**10.4 Conditions to avoid:** No further relevant information available.

**10.5 Incompatible materials:** No further relevant information available.

**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:**

**9043-30-5 Isotridecylalcohol, ethoxylated**

Oral	LD50	>2,000 mg/kg (Rat)
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**112-34-5 2-(2-butoxyethoxy)ethanol**

Oral	LD50	5,660 mg/kg (Rat)
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Dermal	LD50	4,000 mg/kg (rbt)
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**Skin corrosion/irritation:** Based on available data, the classification criteria are not met.

**Serious eye damage/irritation:**

Causes serious eye irritation.

**Respiratory or skin sensitization:** 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.

**Reprotoxicity:** 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**

None of the ingredients is listed.

### SECTION 12: Ecological information

**12.1 Toxicity:**

**Aquatic toxicity:** No further relevant information available.

**12.2 Persistence and degradability:** Easily biodegradable

**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:**

**Additional ecological information:**

**General notes:** Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

### SECTION 13: Disposal considerations

**13.1 Waste treatment methods:**

**Recommendation:**

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

(Contd. on page 6)

GB

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**Trade name: Fyrewash F3 RTU**

(Contd. of page 5)

**Contaminated packaging:**

**Recommendation:** Packaging may be reused or recycled after cleaning.

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

### SECTION 14: Transport information

**14.1 UN number or ID number**

**ADR/RID/ADN, IMDG, IATA** Void

**14.2 UN proper shipping name:**

**ADR/RID/ADN, IMDG, IATA** Void

**14.3 Transport hazard class(es):**

**ADR/RID/ADN, IMDG, IATA**

**Class:** Void

**14.4 Packing group:**

**ADR/RID/ADN, IMDG, IATA** Void

**14.5 Environmental hazards:**

**Marine pollutant:** No

**14.6 Special precautions for user:** Not applicable.

**14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

**Transport/Additional information:**

Not dangerous according to the above specifications.

**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 are listed.

**National regulations:**

**Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

**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. This shall not constitute a guarantee for any properties of the product and shall not establish a legally valid contractual relationship.

**Relevant phrases:**

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

**Department issuing SDS:** Environment protection department.

**Date of previous version:** 08.08.2019

**Version number of previous version:** 3

**Abbreviations and acronyms:**

ICAO: International Civil Aviation Organisation

ADN: Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

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

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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

(Contd. on page 7)

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PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
EC50: Effective Concentration, 50 percent  
IOELVS: Indicative Occupational Exposure Limit Values  
mPa.s: milliPascal per second  
Acute Tox. 4: Acute toxicity – Category 4  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

(Contd. of page 6)

GB