

Safety Data Sheet

according to WHS Regulations

Printing date 08.08.2019

Version number 11

Revision: 08.08.2019

1 Identification

Product Identifier:
Trade name: Fyrewash F4
Recipe Version: Vs 4
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

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

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Further information obtainable from: Product safety department.

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

2 Hazard(s) Identification

Classification of the substance or mixture:


corrosion



Eye Dam. 1 H318 Causes serious eye damage.

Acute Tox. 4 H302 Harmful if swallowed.

Skin Irrit. 2 H315 Causes skin irritation.

Label elements:
Keep out of reach of children. The product is classified and labelled according to the Globally Harmonised System (GHS).

Hazard pictograms: GHS05, GHS07

Signal word: Danger

Hazard-determining components of labelling:

Amines, coco alkyl, ethoxylated

ethane-1,2-diol

Hazard statements:

Harmful if swallowed.

Causes skin irritation.

Causes serious eye damage.

Precautionary statements:

Wear protective gloves / eye protection / face protection.

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

Immediately call a POISON CENTER/doctor.

Take off contaminated clothing and wash before reuse.

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

Specific treatment (see on this label).

If skin irritation occurs: Get medical advice/attention.

Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards:

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

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Results of PBT and vPvB assessment:

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PBT: Not applicable.

vPvB: Not applicable.

3 Composition and Information on Ingredients

Chemical characterisation: Mixtures:
Description: Mixture of substances listed below, possibly with non-hazardous additions.

	Amines, coco alkyl, ethoxylated	2.5-10%
	☠ Acute Tox. 3, H301; ⚠ Eye Irrit. 2A, H319	
	Cocoaminodipropionate triethanolamine	2.5-10%
	⚠ Eye Irrit. 2A, H319	
160875-66-1	Poly(oxy-1,2-ethanediyl), alpha-(2-propylheptyl)-omega hydroxy	2.5-10%
	⚠ Eye Dam. 1, H318	
107-41-5	2-methylpentane-2,4-diol	2.5-10%
	⚠ Skin Irrit. 2, H315; ⚠ Eye Irrit. 2, H319; Flam. Liq. 4, H227	
107-21-1	ethane-1,2-diol	≤2.5%
	⚠ Skin Corr. 1, H314; ⚠ Eye Dam. 1, H318; ☠ Acute Tox. 4, H302	
Ingredients according to detergents regulation (EC nr. 648/2004):		
	non-ionic surfactants	≥5 - <15%
	anionic surfactants	<5%

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

4 First Aid Measures

Description of first aid measures:
General information: Persons, providing assistance, should avoid exposure and danger for themselves or others.

After inhalation:

Remove the victim into fresh air, and keep at rest in a position that facilitates breathing.

Seek medical treatment in case of complaints.

After skin contact: Take off contaminated clothing immediately and wash the skin with plenty of water (possibly showering).

After eye contact:

If possible, remove contact lenses.

Rinse opened eye for several minutes (at least 15 minutes) under running water. If symptoms persist, consult a doctor.

After ingestion:

Rinse out mouth and then drink plenty of water.

If symptoms persist consult doctor.

Information for doctor:
Most important symptoms and effects, both acute and delayed: No further relevant information available.

Indication of any immediate medical attention and special treatment needed: No further relevant information available.

5 Fire Fighting Measures

Extinguishing media:
Suitable extinguishing agents:

All extinguishing media are possible.

Use fire extinguishing methods suitable to surrounding conditions.

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

Advice for firefighters:
Protective equipment: Wear self-contained respiratory protective device.

6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.

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Avoid breathing vapor and contact with eyes, skin and clothing.

Environmental precautions: Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

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.

7 Handling and Storage

Handling:
Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Do not eat, drink or smoke while working.

Avoid inhalation of vapors and contact with eyes, skin and clothing.

Information about fire and explosion protection: No special measures required.

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: Keep container tightly sealed.

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

8 Exposure controls and personal protection

Additional information about design of technical facilities: No further data; see section 7.

Control parameters:
Ingredients with limit values that require monitoring at the workplace:
107-41-5 2-methylpentane-2,4-diol

NES Peak limitation: 121 mg/m³, 25 ppm

WES Peak limitation: 121 mg/m³, 25 ppm

107-21-1 ethane-1,2-diol

NES Short-term value: 104** mg/m³, 40** ppm

Long-term value: 10* 52** mg/m³, 20** ppm

Sk;*particulate;**vapour

WES Short-term value: 104** mg/m³, 40** ppm

Long-term value: 10* 52** mg/m³, 20** ppm

Sk;*particulate;**vapour

Additional information: The lists valid during the making were used as basis.

Exposure controls
Personal protective equipment:
General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

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.

Protection of hands:

Only use chemical-protective gloves with CE-labelling of category III.

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

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Material of gloves:

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.

Gloves made of Nitrile rubber, NBR

Recommended thickness of the material: 0.5 mm

Penetration time of glove material:

Permeation: Breakthrough time > 360 min

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

Use safety glasses that meets the requirements of EN 166; latest versions.

Body protection: Protective work clothing

9 Physical and Chemical Properties

Information on basic physical and chemical properties:
General Information:
Appearance:

Form:	Liquid.
Colour:	Light yellow
Odour:	Characteristic
Odour threshold:	Not determined.

pH-value at 20 °C:	7 - 8
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Change in condition

Melting point/freezing point:	Not determined.
Initial boiling point and boiling range:	100 °C

Flash point:	100 °C
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Flammability (solid, gas):	Not applicable.
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Decomposition temperature:	Not determined.
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Auto-ignition temperature:	Product is not self-igniting.
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Explosive properties:	Product does not present an explosion hazard.
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Explosion limits:

Lower:	Not determined.
Upper:	Not determined.

Vapour pressure at 20 °C:	23 hPa
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Density at 20 °C:	1.008 g/cm³
Relative density:	Not determined.
Vapour density:	Not determined.
Evaporation rate:	Not determined.

Solubility in / Miscibility with:

Water:	Fully miscible.
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Partition coefficient: n-octanol/water:	Not determined.
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Viscosity:

Dynamic at 20 °C:	15 mPas
Kinematic:	Not determined.

Solvent content:

VOC (EU, 1999/13/EC)	-
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Other information:

No further relevant information available.

10 Stability and Reactivity

Reactivity: No further relevant information available.

Chemical stability:
Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions: No dangerous reactions known.

Conditions to avoid: No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological Information

Information on toxicological effects:
Acute toxicity:
LD/LC50 values relevant for classification:
ATE (Acute Toxicity Estimates)

Oral	LD50	1,024 mg/kg
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Amines, coco alkyl, ethoxylated

Oral	LD50	100 mg/kg (ATE)
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107-41-5 2-methylpentane-2,4-diol

Oral	LD50	3,700 mg/kg (Rat)
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Dermal	LD50	8,560 mg/kg (rbt)
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107-21-1 ethane-1,2-diol

Oral	LD50	5,840 mg/kg (Rat)
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Dermal	LD50	9,530 mg/kg (rbt)
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Primary irritant effect:
Skin corrosion/irritation: No irritant effect.

Serious eye damage/irritation: Irritating effect.

Respiratory or skin sensitization: No sensitising effects known.

Additional toxicological information:

The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

Irritant

12 Ecological Information

Toxicity:
Aquatic toxicity:
107-21-1 ethane-1,2-diol

LC50/96h	72,860 mg/l (Pimephales promelas)
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EC50/48h	>100 mg/l (Daphnia Magna)
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EC50/96h	6,500-13,000 mg/l (Algae)
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EC50/30 min	225 mg/l (Bateria)
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Persistence and degradability: No further relevant information available.

Behaviour in environmental systems:
Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Additional ecological information:
General notes:

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

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PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects: No further relevant information available.

13 Disposal considerations

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

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

14 Transport information

UN-Number:

ADG, IMDG, IATA

Void

UN proper shipping name:

ADG, IMDG, IATA

Void

Transport hazard class(es):

ADG, IMDG, IATA

Class:

Void

Packing group:

ADG, IMDG, IATA

Void

Environmental hazards:
Marine pollutant:

No

Special precautions for user:

Not applicable.

Transport in bulk according to Annex II of Marpol and the
IBC Code:

Not applicable.

UN "Model Regulation":

Void

15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture:
Australian Inventory of Chemical Substances

160875-66-1 Poly(oxy-1,2-ethanediyl), alpha-(2-propylheptyl)-omega hydroxy

107-41-5 2-methylpentane-2,4-diol

107-21-1 ethane-1,2-diol

7732-18-5 Water, distilled, conductivity or of similar purity

Standard for the Uniform Scheduling of Medicines and Poisons

107-21-1 ethane-1,2-diol

S5, S6, S10

Australia: Priority Existing Chemicals

None of the ingredients is listed.

Keep out of reach of children. The product is classified and labelled according to the Globally Harmonised System (GHS).

Hazard pictograms: GHS05, GHS07

Signal word: Danger

Hazard-determining components of labelling:

Amines, coco alkyl, ethoxylated

ethane-1,2-diol

Hazard statements:

Harmful if swallowed.

Causes skin irritation.

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Causes serious eye damage.

Precautionary statements:

Wear protective gloves / eye protection / face protection.

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

Immediately call a POISON CENTER/doctor.

Take off contaminated clothing and wash before reuse.

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

Specific treatment (see on this label).

If skin irritation occurs: Get medical advice/attention.

Dispose of contents/container in accordance with local/regional/national/international regulations.

Directive 2012/18/EU:
Named dangerous substances - ANNEX I: None of the ingredients are listed.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

16 Other information

Department issuing SDS: Environment protection department.

Abbreviations and acronyms:

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 européen sur le transport 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

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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

Flam. Liq. 4: Flammable liquids – Category 4

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 4: Acute toxicity – Category 4

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

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

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

Revisions were made in sections marked with *.
Disclaimer:

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