



SAFETY DATA SHEET EUROFOUNT

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

1.1. Product identifier

Product name EUROFOUNT

Product number 46647

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

Identified uses Wetting agent

1.3. Details of the supplier of the safety data sheet

Supplier Univar
Aquarius House
6 Mid Point Business Park
Bradford
BD3 7AY
+44 1274 267300
sds@univar.com
+44 1274 267306

1.4. Emergency telephone number

Emergency Contact Number SGS - +32 (0)3 575 55 55 (24h)
(Outside Office Hours)

Sds No. 46647

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Not Classified

Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317

Environmental hazards Not Classified

Classification (67/548/EEC or 1999/45/EC) Xi; R36/38. R43

2.2. Label elements

Pictogram



Signal word Warning

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Hazard statements	H319 Causes serious eye irritation. H317 May cause an allergic skin reaction. H315 Causes skin irritation.
Precautionary statements	P261 Avoid breathing vapour/spray. P264 Wash contaminated skin thoroughly after handling. P302+P352 IF ON SKIN: Wash with plenty of water. 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 national regulations.
Contains	5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE [EC NO. 247-500-7] & 2-METHYL-2H-ISOTHIAZOL-3-ONE [EC NO. 220-239-6] (3:1)

2.3. Other hazards

None known.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

2-BUTOXYETHANOL			10-30%
CAS number: 111-76-2	EC number: 203-905-0	REACH registration number: 01-2119475108-36	
Classification		Classification (67/548/EEC or 1999/45/EC)	
Acute Tox. 4 - H302		Xn; R20/21/22. Xi; R36/38	
Acute Tox. 4 - H312			
Acute Tox. 4 - H332			
Skin Irrit. 2 - H315			
Eye Irrit. 2 - H319			

MONOPROPYLENE GLYCOL			10-30%
CAS number: 57-55-6	EC number: 200-338-0	REACH registration number: 01-2119456809-23	
Classification		Classification (67/548/EEC or 1999/45/EC)	
Not Classified		-	

MALIC ACID			1-5%
CAS number: 6915-15-7	EC number: 230-022-8	REACH registration number: 01-2119906954-31-XXXX	
Classification		Classification (67/548/EEC or 1999/45/EC)	
Eye Irrit. 2 - H319		Xi;R36.	

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5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE [EC NO. 247-500-7] & 2-METHYL-2H-ISOTHIAZOL-3-ONE [EC NO. 220-239-6] (3:1)

<0.1%

CAS number: 55965-84-9

M factor (Acute) = 10

M factor (Chronic) = 10

Classification

Acute Tox. 3 - H301

Acute Tox. 3 - H311

Acute Tox. 3 - H331

Skin Corr. 1B - H314

Eye Dam. 1 - H318

Skin Sens. 1 - H317

Aquatic Acute 1 - H400

Aquatic Chronic 1 - H410

Classification (67/548/EEC or 1999/45/EC)

T; R23/24/25. C; R34. N; R50/53. R43

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures**4.1. Description of first aid measures**

Inhalation	Move affected person to fresh air at once. Get medical attention if symptoms are severe or persist.
Ingestion	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention promptly if symptoms occur after washing.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if symptoms are severe or persist.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact	Causes skin irritation.
Eye contact	Causes serious eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures**5.1. Extinguishing media**

Suitable extinguishing media	The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.
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5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.
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5.3. Advice for firefighters

Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet. Provide adequate ventilation. Avoid contact with skin and eyes.

6.2. Environmental precautions

Environmental precautions Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb spillage with inert, damp, non-combustible material. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Provide adequate ventilation. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep containers upright. Store in tightly-closed, original container in a dry, cool and well-ventilated place.

Storage class Chemical storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

2-BUTOXYETHANOL

Long-term exposure limit (8-hour TWA): WEL 25 ppm 123 mg/m³

Short-term exposure limit (15-minute): WEL 50 ppm 246 mg/m³

Sk

MONOPROPYLENE GLYCOL

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ particulate

Long-term exposure limit (8-hour TWA): WEL 150 ppm 474 mg/m³ total vapour and particulates

WEL = Workplace Exposure Limit

Sk = Can be absorbed through skin.

2-BUTOXYETHANOL (CAS: 111-76-2)

Ingredient comments

WEL = Workplace Exposure Limits

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DNEL	Industry - Dermal; Short term systemic effects: 89 mg/kg/day
	Industry - Inhalation; Short term systemic effects: 652 mg/m ³
	Industry - Dermal; Long term systemic effects: 75 mg/kg/day
	Industry - Inhalation; Long term systemic effects: 98 mg/m ³
	Consumer - Dermal; Short term systemic effects: 44.5 mg/kg/day
	Consumer - Inhalation; Short term systemic effects: 426 mg/m ³
	Consumer - Oral; Short term systemic effects: 13.4 mg/kg/day
	Consumer - Dermal; Long term systemic effects: 38 mg/kg/day
	Consumer - Oral; Long term systemic effects: 3.2 mg/kg/day

PNEC	- Fresh water; 8.8 mg/l
	- Marine water; 0.88 mg/l
	- Sediment (Freshwater); 34.6 mg/kg
	- Sediment (Marinewater); 3.46 mg/kg
	- Soil; 2.8 mg/kg
	- STP; 463 mg/l

MONOPROPYLENE GLYCOL (CAS: 57-55-6)

DNEL	General population - Inhalation; Long term systemic effects: 50 mg/m ³
	General population - Inhalation; Long term local effects: 10 mg/m ³
	Workers - Inhalation; Long term systemic effects: 168 mg/m ³
	Workers - Inhalation; Long term local effects: 10 mg/m ³

PNEC	- Fresh water; 260 mg/l
	- Marine water; 26 mg/l
	- STP; 20000 mg/l
	- Sediment (Freshwater); 572 mg/kg
	- Sediment (Marinewater); 57.2 mg/kg
	- Soil; 50 mg/kg

MALIC ACID (CAS: 6915-15-7)

Ingredient comments	No exposure limits known for ingredient(s).
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DNEL	General population - Oral; Short term systemic effects: 20 mg/kg/day
	General population - Inhalation; Short term systemic effects: 2.2 mg/m ³
	General population - Oral; Long term systemic effects: 6 mg/kg/day
	General population - Dermal; Long term systemic effects: 6 mg/kg/day
	General population - Inhalation; Long term systemic effects: 2.6 mg/m ³

PNEC	- Intermittent release; 1 mg/l
	- Soil; 0.275 mg/kg
	- Sediment (Freshwater); 0.275 mg/kg
	- Sediment (Marinewater); 0.027 mg/kg
	- STP; 3 mg/l

BRILLIANT BLUE (CAS: 3844-45-9)

Ingredient comments	No exposure limits known for ingredient(s).
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HYDROGEN [4-[4-(DIETHYLAMINO)-2',4'-DISULPHONATOBENZHYDRYLIDENE]CYCLOHEXA-2,5-DIEN-1-YLIDENE]DIETHYLAMMONIUM, SODIUM SALT (CAS: 129-17-9)

Ingredient comments	No exposure limits known for ingredient(s).
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8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

Wear chemical splash goggles.

Hand protection

Wear protective gloves. The most suitable glove should be chosen in consultation with the glove supplier/manufacture, who can provide information about the breakthrough time of the glove material. Nitrile rubber. EN 374

Other skin and body protection

Wear suitable coveralls to prevent exposure to the skin.

Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Take off immediately all contaminated clothing and wash it before reuse. When using do not eat, drink or smoke.

Respiratory protection

If ventilation is inadequate, suitable respiratory protection must be worn.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Blue.
Odour	Characteristic.
pH	Data lacking.
Initial boiling point and range	100°C @
Flash point	>110°C CC (Closed cup).
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 1.1 Vol Upper flammable/explosive limit: 12.6 Vol
Vapour pressure	23 hPa @ 20°C
Bulk density	1.015 kg/m ³
Solubility(ies)	Soluble in water.
Partition coefficient	Not available.
Auto-ignition temperature	240°C
Decomposition Temperature	Data lacking.
Viscosity	Data lacking.
Explosive properties	Data lacking.
Oxidising properties	Not determined.

9.2. Other information

Volatile organic compound This product contains a maximum VOC content of 340.5 g/l .

SECTION 10: Stability and reactivity

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10.1. Reactivity

Reactivity Does not decompose when used and stored as recommended.

10.2. Chemical stability

Stability Stable at normal ambient temperatures and when used as recommended.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not determined.

10.4. Conditions to avoid

Conditions to avoid Avoid excessive heat for prolonged periods of time.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents. Alkalis. Strong acids.

10.6. Hazardous decomposition products

Hazardous decomposition products Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 6,592.29

Acute toxicity - dermal

ATE dermal (mg/kg) 5,578.09

Acute toxicity - inhalation

ATE inhalation (gases ppm) 22,819.47

ATE inhalation (vapours mg/l) 55.78

ATE inhalation (dusts/mists mg/l) 7.61

Skin corrosion/irritation

Animal data Data lacking.

Serious eye damage/irritation

Serious eye damage/irritation Data lacking.

Skin sensitisation

Skin sensitisation Data lacking.

Germ cell mutagenicity

Genotoxicity - in vitro Data lacking.

Carcinogenicity

Carcinogenicity Data lacking.

Reproductive toxicity

Reproductive toxicity - fertility Data lacking.

Specific target organ toxicity - single exposure

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STOT - single exposure Data lacking.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure Data lacking.

Inhalation Gas or vapour in high concentrations may irritate the respiratory system.

Ingestion May cause discomfort if swallowed.

Skin contact Irritating to skin. May cause sensitisation by skin contact.

Eye contact Irritating to eyes.

SECTION 12: Ecological Information

Ecotoxicity The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

12.1. Toxicity

Toxicity No information available.

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not available.

12.4. Mobility in soil

Mobility The product is soluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment No information available.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste is classified as hazardous waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Do not puncture or incinerate, even when empty.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

Not applicable.

14.2. UN proper shipping name

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Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78

and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU legislation

Dangerous Preparations Directive 1999/45/EC.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

15.2. Chemical safety assessment

Not applicable.

SECTION 16: Other information

Revision comments

This is first issue.

Revision date

09/10/2015

Revision

01

SDS number

46647

SDS status

Approved.

Signature

J Spenceley

Risk phrases in full

R36 Irritating to eyes.

R36/38 Irritating to eyes and skin.

R43 May cause sensitisation by skin contact.

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Hazard statements in full

H301 Toxic if swallowed.
H302 Harmful if swallowed.
H311 Toxic in contact with skin.
H312 Harmful 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.
H331 Toxic if inhaled.
H332 Harmful if inhaled.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

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