



SAFETY DATA SHEET

According to Regulation (EU) No 2015/830

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Revision n. 2
Issue Date: 31/07/2019
Print Date: 31/07/2019
S.REACH.GBR.EN.UK

DETERGENT

WADET500

SECTION 1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

1.1 Product Identifier

Product name: WADET500

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

Relevant identified uses: Detergent for car air filter

1.3 Details of the supplier of the safety data sheet

Registered company name: BMC Air Filter
Address: Via Roslé, 115 - 40059 Medicina (BO) ITALY
Telephone: 0039 0516971511
Fax: 0039 051852659
Email: info@bmcairfilters.com

1.4 Emergency telephone number

CAVp Osp. Pediatrico Bambino Gesù Roma Piazza Sant'Onofrio, 4 00165 Tel. +39 06 68593726
Az. Osp. Univ. Foggia Foggia V.le Luigi Pinto, 1 71122 Tel. +39 0881 732326
Az. Osp. A. Cardarelli Napoli Via A. Cardarelli, 9 80131 Tel. +39 081 7472870
Cav.Policlinico Umberto I Roma V.le del Policlinico, 155 161 Tel. +39 06 49978000
CAV Policlinico A. Gemelli Roma Largo Agostino Gemelli, 8 168 Tel. +39 06 3054343
Az. Osp. Careggi U.O. Tossicologia Medica Firenze Largo Brambilla, 3 50134 Tel. +39 055 7947819
CAV Centro nazionale di Informazione Tossicologia Pavia Via Salvatore Maugeri, 10 27100 Tel. +39 0382 24444
Osp. Niguarda Ca Granda Milano Piazza Ospedale Maggiore, 3 20162 Tel. +39 02 66101029
Azienda Osp. Papa Giovanni XXII Bergamo Piazza OMS, 1 24127 Tel. +39 080 0883300

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to regulation (EC) No 1272/2008 [CLP]

The mixture is not classified as dangerous according to regulation 1272/2008/EC.

2.2 Label elements

Hazard pictogram(s): -

Signal word: -

Hazard statement(s): -

Precautionary statement(s):

P102 Keep out of reach of children

EUH208 Contains (R)-p-mentha-1,8-diene. May produce an allergic reaction.

Contains – Regulation EC N. 648/2004

Phosphates <5%

Anionic surfactants <5%

Perfumes, preservation agents ((LAURYLAMINE DIPROPYLENEDIAMINE, METHYLISOTHIAZOLINONE, BENZISOTHIAZOLINONE, mixture 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)

2.3 Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.



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SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances

N.A.

3.2 Mixtures

	Name	%[weight]	Classification according to regulation (EC) No 1272/2008 [CLP]
CAS: 111-76-2 EC: 203-905-0 Index: 603-014-00-0 REACH: 01-2119475108-36-XXXX	2-butoxyethanol	2.5-5	Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319
CAS: 7320-34-5 EC: 230-785-7 Index: - REACH: 01-2119489369-18-XXXX	Tetrapotassium pyrophosphate	1-2.5	Eye Irrit. 2, H319
CAS: 1300-72-7 EC: 215-090-9 Index: - REACH: -	Sodium xylenesulphonate	1-2.5	Eye Irrit. 2, H319

Full text of H-statements: see section 16

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Skin Contact	Remove contaminated clothing including shoes. Rinse skin and hair with running water (and soap if possible). If necessary, get medical advice/attention.
Eye Contact	Wash immediately with plenty of water. If irritation persists, get medical advice/attention.
Ingestion	Do not induce vomiting unless explicitly authorised by a doctor. Get medical advice/attention.
Inhalation	Remove victim to fresh air, away from the accident scene. If you feel unwell, get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

See Section 11.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

UNSUITABLE EXTINGUISHING EQUIPMENT

Jet Water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

5.2 Special hazards arising from the substrate or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.



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5.3 Advice for firefighters

Alert Fire Brigade and tell them location and nature of hazard.
Wear breathing apparatus plus protective gloves in the event of a fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

See section 8

6.2 Environmental precautions

See section 12

6.3 Methods and material for containment and cleaning up

MINOR SPILLS

Clean up all spills immediately.

Collect the leaked product into a suitable container. Absorb the remainder with inert absorbent material.

MAJOR SPILLS

Keep personnel away.

Alert Fire Brigade and tell them location and nature of hazard.

6.4 Reference to other sections

Personal Protective Equipment advice is contained in Section 12 of the SDS.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Handle the product after consulting all the other sections of this safety data sheet.

Wear protective gloves/ protective clothing if possible.

Do not release the product in the environment.

Do not eat, drink or smoke when using this product.

Use in a well-ventilated area.

7.2 Conditions for safe storage, including any incompatibilities

Store only in the original container.

Store in a cool, ventilated area at temperatures below 35 °C.

Do not store in contact with oxidants.

Protect from heat and direct sunlight.

7.3 Specific end use(s)

See section 1.2

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

OCCUPATIONAL EXPOSURE LIMITS (OEL)

		TWA	STEL	TLV® Basis: Eye & URT irr; BEI
UK Workplace Exposure Limits (WELs)	2-butoxyethanol	25 ppm / 123 mg/m ³	246 mg/m ³ / 50 ppm	
EU Consolidated List of Indicative	2-butoxyethanol	246 mg/m ³ / 50 ppm	246 mg/m ³ / 50 ppm	



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Occupational
Exposure Limit
Values (IOELVs)

DERIVED NO EFFECT LEVEL (DNEL)

2-butoxyethanol

Long term (Oral) – Systemic effects 6,3 mg/kg bw/d (Population)
Short term (Oral) – Systemic effects 26,7 mg/kg (Population)
Long term (Dermal) – Systemic effects 75 mg/kg bw/d (Population)
Long term (Dermal) – Systemic effects 125 mg/kg bw/d (Workers)
Short term – (Dermal) Systemic effects 89 mg/kg (Population)
Short term – (Dermal) Systemic effects 89 mg/kg (Workers)
Long term (Inhalation) – Systemic effects 59 mg/m³ (Population)
Long term (Inhalation) – Systemic effects 98 mg/m³ (Workers)
Short term – (Inhalation) Systemic effects 426 mg/m³ (Population)
Short term – (Inhalation) Systemic effects 1.091 mg/m³ (Workers)
Short term – (Inhalation) – Local effects 147 mg/m³ (Population)
Short term – (Inhalation) – Local effects 246 mg/m³ (Workers)

Tetrapotassium pyrophosphate

Long term (Inhalation) – Systemic effects 10.87 mg/m³ (Population)
Long term (Inhalation) – Systemic effects 44.08 mg/m³ (Workers)

Sodium xylenesulphonate

Long term (Oral) – Systemic effects 3.8 mg/kg bw/d (Population)
Long term (Dermal) – Systemic effects 68.1 mg/kg bw/d (Population)
Long term (Dermal) – Systemic effects 136.25 mg/kg bw/d (Workers)
Long term (Dermal) – Local effects 0.048 mg/kg bw/d (Population)
Long term (Dermal) – Local effects 0.048 mg/kg bw/d (Workers)
Long term (Dermal) – Systemic effects 6.6 mg/kg bw/d (Population)
Long term (Dermal) – Systemic effects 26.9 mg/kg bw/d (Workers)

PREDICTED NO EFFECT CONCENTRATION (PNEC)

2-butoxyethanol

Fresh water 8,8 mg/l
Intermittent release 9,1 mg/l
Marine water 0,88 mg/l
Sediments (fresh water) 34,6 mg/kg dw
Soil 2,33 mg/kg dw
STP 463 mg/l

Tetrapotassium pyrophosphate

Fresh water 0,05 mg/l
Intermittent release 0,5 mg/l
Marine water 0,005 mg/l
STP 50 mg/l

Sodium xylenesulphonate

Fresh water 0,23 mg/l
Intermittent release 2,3 mg/l
Sediments (fresh water) 0,862 mg/kg dw
Marine water 0,0862 mg/kg dw
Soil 0,037 mg/kg dw
STP 100 mg/l

8.2 Exposure controls



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Eye and face protection	Safety glasses with side shields.
Skin protection	Work clothes with long sleeves. Protect your hands with penetration resistant work gloves (EN 374).
Respiratory protection	If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, use a mask with a type B filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration (see standard EN 14387).
Environmental exposure controls	See section 12

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	Liquid
Color:	Colorless
Odour:	Characteristic
Odour threshold:	N.A.
pH (as supplied):	6-8
Melting point / freezing point (°C):	0°C
Initial boiling point and boiling range (°C):	100°C
Flash point (°C):	N.A.
Evaporation rate:	N.A.
Flammability:	N.A.
Upper/lower Explosive Limit (%):	N.A.
Vapour pressure (hPa):	23
Vapour density (Air = 1):	N.A.
Relative density (Water = 1):	1 g/cm ³
Solubility in water:	Miscible
Partition coefficient n-octanol /water	N.A.
Auto-ignition temperature (°C):	Product not self-igniting.
Decomposition temperature:	N.A.
Viscosity (cSt):	N.A.
Explosive properties:	Non-explosive product
Oxidising properties:	N.A.

9.2 Other information

Solvent content:
Organic solvents: 3.1%
Water: 90.8%
VOC (EC) 3.11%

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

10.2 Chemical stability

The product is stable in normal conditions of use and storage.

10.3 Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.



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10.4 Conditions to avoid

Avoid using the material at temperatures below 5 ° C.

10.5 Incompatible materials

May react dangerously with: strong acids, alkalis and oxidizers.

10.6 Hazardous decomposition products

Due to thermal decomposition or in the event of a fire, gases and vapors can be released that are potentially harmful to health.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

2-butoxyethanol

TOXICITY

Dermal (rat) LD50: >2000 mg/kg

Inhalation (rat) LC50: 449.48655 mg/l/4H

Oral (rat) LD50: 250 mg/kg

IRRITATION

Eye (rabbit): 100 mg SEVERE

Eye (rabbit): 100 mg/24h-moderate

Eye: adverse effect observed (irritating)

Skin (rabbit): 500 mg, open; mild

Skin: adverse effect observed (irritating)

Skin: no adverse effect observed (not irritating)

Potassium pyrophosphate

TOXICITY

Dermal (rat) LD50: >2000 mg/kg

Oral (rat) LD50: >300-2000 mg/kg

IRRITATION

Eye: adverse effect observed (irritating)

Skin: no adverse effect observed (not irritating)

Sodium xylenesulphonate

TOXICITY

Dermal (rabbit) LD50: >=2000 mg/kg

Oral (rat) LD50: >10 mg/kg

IRRITATION

Eye: adverse effect observed (irritating)

Skin: no adverse effect observed (not irritating)

Skin corrosion / irritation

Classification criteria are not met.

Serious eye damage / severe eye irritation

Classification criteria are not met.

Respiratory or skin sensitization

Classification criteria are not met.

Germ cell mutagenicity

Classification criteria are not met.

Carcinogenicity

Classification criteria are not met.

Reproductive toxicity

Classification criteria are not met.

Specific toxicity for target organs (STOT) - single exposure



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Classification criteria are not met.

Specific toxicity for target organs (STOT) - repeated exposure

Classification criteria are not met.

Aspiration hazard

Classification criteria are not met.

Unless otherwise specified, the data required by Regulation 453/2010 / CE below are to be understood as N.A. :

- a) acute toxicity;
- b) skin corrosion / irritation;
- c) serious eye damage / severe eye irritation;
- d) respiratory or skin sensitization;
- e) germ cell mutagenicity;
- f) carcinogenicity;
- g) reproductive toxicity;
- h) specific toxicity for target organs (STOT) - single exposure;
- i) specific toxicity for target organs (STOT) - repeated exposure;
- j) aspiration hazard

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

ENDPOINT	TEST DURATION (HR)	SPECIES	VALUE
2-butoxyethanol			
LC50	96	Fish	1-700mg/L
EC50	48	Crustacea	ca. 1-800mg/L
NOEC	24	Crustacea	>1-mg/L
Tetrapotassium pyrophosphate			
LC50	96	Fish	>100mg/L 2
EC50	48	Crustacea	>100mg/L
Sodium xylenesulphonate			
LC50	96	Fish	>1-mg/L
EC50	48	Crustacea	>1-20mg/L

12.2 Persistence and degradability

2-butoxyethanol

Readily biodegradable / 28d > 85%

12.3 Bioaccumulative potential

2-butoxyethanol

LOW (BCF = 2.51)

12.4 Mobility in soil

2-butoxyethanol

HIGH (KOC = 1)

Log Kow 0,81

12.5 Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6 Other adverse effects

Information not available



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SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Reuse, when possible. Neat product residues should be considered special non-hazardous waste. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

N.A.

14.2 UN proper shipping name

N.A.

14.3 Transport hazard class(es)

N.A.

14.4 Packing group

N.A.

14.5 Environmental hazards

N.A.

14.6 Special precautions for user

N.A.

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

N.A.

SECTION 15 REGULATORY INFORMATION

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

Seveso category:

None

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006:

None

Substances in Candidate List (Art. 59 REACH):

None

Substances subject to authorisation (Annex XIV REACH):

None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls:

None



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Information not available

Regulation (EC) No. 648/2004 Ingredients according to Regulation (EC) No. 648/2004

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

15.2 Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16: OTHER INFORMATION

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

- H302 Harmful if swallowed
- H312 Harmful in contact with skin
- H315 Causes skin irritation
- H319 Causes serious eye irritation
- H332 Harmful if inhaled

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

- Regulation (EU) 1907/2006 (REACH) of the European Parliament
- Regulation (EU) 1272/2008 (CLP) of the European Parliament
- Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
- Regulation (EU) 2015/830 of the European Parliament
- Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
- Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
- Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
- Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
- Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament
- Regulation (EU) 1221/2015 (VII Atp. CLP) of the European Parliament
- Regulation (EU) 918/2016 (VIII Atp. CLP) of the European Parliament



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Regulation (EU) 1179/2016 (IX Atp. CLP) of the European Parliament
Regulation (EU) 776/2017 (X Atp. CLP) of the European Parliament
Regulation (EU) 669/2018 (XI Atp. CLP) of the European Parliament
Regulation (EU) 1480/2018 (XII Atp. CLP) of the European Parliament

- The Merck Index. - 10th Edition
- Handling Chemical Safety
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- ECHA website

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review:

The following sections were modified: 02/03/04/05/06/07/08/09/10/11/12/13/14/15/16