

Version 3 Dated 01/12/2022

Via Roslè 115- 40059- Medicina- BO- Italy Mail: info@bmcairfilters.com

WADET500, WADET5LT Detergent

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Safety Data Sheet

According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

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

1.1. Product identifier Code: Product name

WADET500, WADET5LT As mentioned above

tel. +39 051/6971511

BMC S.r.I.

info@bmcairfilters.com

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

 Intended use
 Detergent for professional use only

 Uses Not Recommended
 This product is not recommended for any use other than those previously indicated.

 1.3. Details of the supplier of the safety data sheet

 Name
 BMC S.r.I.

 Full address
 Via Roslè 115

 District and Country
 40059 Medicina (BO)

 ITALY

e-mail address of the competent person responsible for the Safety Data Sheet

1.4. Emergency telephone number

For urgent inquiries refer to

Malta 112 United Kingdom NHS 111 Ireland Members of Public: +353 (01) 809 2166. (8.00 a.m. to 10.00 p.m. 7 days a week) Healthcare Professionals: +353 (01) 809 2566 (24 hour service) Users who receive this SDS in English and are outside the area of Malta, UK and Ireland should contact the nearest poison center present in their national territory

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP). However, since the product contains hazardous substances in concentrations such as to be declared in section no. 3, it requires a safety data sheet with appropriate information, compliant to (EU) Regulation 2020/878. Hazard classification and indication:

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:

			Version 3			
BMC	BN	AC S.r.I.	Dated 01/12/2022			
Air Filter	Via Roslè 115- 4 Mail: <u>info</u> (0059- Medicina- BO- Italy <u>@bmcairfilters.com</u>				
	WADET500, V	VADET5LT Detergent	Page n. 2/20			
Signal words:						
Hazard statements:						
EUH210 EUH208	Safety data sheet available on request. Contains a biocidal product as a preservative: Contains C(M)IT/MIT (3:1). May produce an allergic reaction.					
Precautionary statements:						
Instructions for Use: It is advisable to avoid possil It is also advisable to use in The washing water from the	ble exposure with the skin. The highly ventilated environments work equipment must not be d	e use of protective gloves and work clothes is recommended. or in the presence of strong localized aspirations. lispersed into the soil or surface waters.				
Ingredients according to Rec	gulation (EC) No. 648/2004					
Less than 5%	phosphates, anionic surfacta	ints, non-ionic surfactants				
perfumes Preservation agents: Methyle	chloroisothiazolinone, Methylis	othiazolinone				
2.3. Other hazards						
On the basis of available dat The product does not contair	a, the product does not contai n substances with endocrine d	n any PBT or vPvB in percentage ≥ than 0,1%. isrupting properties in concentration ≥ 0.1% .				
SECTION 3. Com	position/information	on ingredients				
3.2. Mixtures						
Contains:						
Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)				
2-BUTOXYETHANOL						
INDEX 603-014-00-0	3,5 ≤ x < 4	Acute Tox. 4 H302, Acute Tox. 4 H332, Eye Irrit. 2 H319,	Skin Irrit. 2 H315			
EC 203-905-0		ATE Oral: 1200 mg/kg bw, ATE Inhalation vapours: 11 mg	y/I			
CAS 111-76-2						
REACH Reg. 01-211947	/5108-36-					
XXXX TETRAPOTASSIUM PYROPHOSPHATE INDEX -	2.5≤x< 3	Eve Irrit. 2 H319				
EC 230-785-7	, -	-				
CAS 7320-34-5						
REACH Reg. 01-211948 0003 SODIUM-p- CUMENESULPHONATE	39369-18-					



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INDEX -	1,5≤x< 2	Eye Irrit. 2 H319
EC 239-854-6		
CAS 15763-76-5		
REACH Reg. 01-2119489411-	37-	
xxxx		
REACTION MASS OF 5-CHLOF	RO-2-METHYL-2H-ISOT	HIAZOL-3-ONE [EC no. 247-500-7]; AND 2-METHYL-2H-ISOTHIAZOL-3-ONE
Nomenclature required by Reg. 5	528/2012· C(M)IT/MIT (3	·1)
INCI nomenclature: Methylchloro	bisothiazolinone, Methylis	sothiazolinone
-		
INDEX 613-167-00-5	0 ≤ x < 0,0015	Acute Tox. 2 H310, Acute Tox. 2 H330, Acute Tox. 3 H301, Skin Corr. 1C
		H314, Eye Dam. 1 H318, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=100,
EC -		Aquatic Chronic 1 H410 M=100, EUH0/1 Specific concentration limits
20 -		Eve Dam. 1; H318: $C \ge 0.6 \%$
		Eye Irrit. 2; H319: 0,06 % ≤ C < 0,6 %
		Skin Corr. 1C; H314: C ≥ 0,6 %
		Skin Irrit. 2; H315: 0,06 % ≤ C < 0,6 %
		Skin Sens. 1A; H317: C ≥ 0,0015 %
		LD 50 values used for the purpose of calculating the Acute Toxicity Estimate
		of the mixture
		Oral LD50: 200 mg/kg, Dermai LD50: 87.12 mg/kg, LC50 Innalation mists/dusts: 0.33 mg/l/4b
CAS 55965-84-9		
REACUR		

REACH Reg. -

The full wording of hazard (H) phrases is given in section 16 of the sheet.

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice.

INGESTION: Have the subject drink as much water as possible. Get medical advice. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

PROTECTIVE MEASURES FOR THE FIRST RESCUE WORKERS: for PPE (personal protection equipment) required for first aid refer to section 8.2 of this safety data sheet.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Treat symptomatologically.

In the event of an accident or if you feel unwell, consult a doctor immediately.

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT



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The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT Water jets.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Do not touch or walk through spilled material. Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. Wear an appropriate respirator when ventilation is inadequate. Do not breathe /mist/vapour. Avoid leakage of the product into the environment.

Non-emergency personnel must follow the appropriate internal procedures in case of accidental release.

For emergency responders

Block the leakage if there is no hazard.

Evacuate unprotected and untrained personnel from hazard area. Wear suitable protective equipment. (see Section 8 of this Safety data sheet) Follow the appropriate internal procedures in case of accidental release. Isolate hazard area and deny entry.

6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

6.3. Methods and material for containment and cleaning up

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.



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7.2. Conditions for safe storage, including any incompatibilities Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details. Keep the packaging closed and labeled. Keep away from food, feed or drink. Avoid frost. 7.3. Specific end use(s) No use other than as indicated in section 1.2 of this safety data sheet **SECTION 8. Exposure controls/personal protection** 8.1. Control parameters Regulatory References: Éire IRI 2020 Code of Practice for the Safety. Health and Welfare at Work (Chemical Agents) Regulations (2001-2015) and the Safety, Health and Welfare at Work (Carcinogens) Regulations (2001-2019) PROTECTION OF THE HEALTH AND SAFETY OF WORKERS FROM THE RISKS RELATED TO MLT Malta CHEMICAL AGENTS AT WORK REGULATIONS (S.L.424.24). PROTECTION OF WORKERS FROM THE RISKS RELATED TO EXPOSURE TO CARCINOGENS OR MUTAGENS AT WORK REGULATIONS (S.L.424.22) GBR United Kingdom EH40/2005 Workplace exposure limits (Fourth Edition 2020) Directive (EU) 2022/431; Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; ΕU OFL FU Directive (EU) 2017/2398; Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC; Directive 2004/37/EC; Directive 2000/39/EC; Directive 98/24/EC; Directive 91/322/EEC. TLV-ACGIH ACGIH 2021 SODIUM-p-CUMENESULPHONATE Predicted no-effect concentration - PNEC Normal value in fresh water 0.23 mg/l Normal value in marine water 0,023 mg/l Normal value for fresh water sediment 0,862 mg/kg/d 0.086 Normal value for marine water sediment ma/ka/d Normal value of STP microorganisms 100 mg/l Normal value for the terrestrial compartment 0,037 mg/kg/d Health - Derived no-effect level - DNEL / DMEL Effects on Effects on consumers workers Route of exposure Acute systemic Chronic local Chronic Acute local Acute Chronic local Chronic Acute local systemic systemic systemic Inhalation 26,9 mg/m3 136,25 mg/kg Skin 0,096 mg/cm2 bw/d **TETRAPOTASSIUM PYROPHOSPHATE** Health - Derived no-effect level - DNEL / DMEL Effects on Effects on consumers workers Chronic local Chronic Acute local Chronic Route of exposure Acute local Acute systemic Acute Chronic local systemic systemic systemic Inhalation VND 4.35 ma/m3 17.63 ma/m3 2-BUTOXYETHANOL **Threshold Limit Value** TWA/8h STEL/15min Remarks / Туре Country Observations



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		mg/m3	ppm	mg/m3	ppm			
DELV	IRL	98	20	246	50	SKIN		
ΓLV	MLT	98	20	246	50	SKIN		
VEL	GBR	123	25	246	50	SKIN		
DEL	EU	98	20	246	50	SKIN		
LV-ACGIH			20					
Predicted no-effect concen	tration - PNEC							
Normal value in fresh wate	r			8,8	mg	ı/I		
Normal value in marine wa	ter			0,88	mg	ı/I		
Normal value for fresh water sediment			34,6	mg	ı/kg/d			
Normal value for marine water sediment			3,46	mg	ı/kg/d			
Normal value of STP microorganisms			463	mg	ı/I			
Normal value for the terrestrial compartment				2,33	mg	ı/kg/d		
Health - Derived no-ef	fect level - DNEL / I	DMEL						
	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic	Acute local	Acute	Chronic local	Chronic systemic
Dral		26,7 mg/kg bw/d		6,3 mg/kg bw/d		Gyotomio		oyotonno
nhalation	147 mg/m3	426 mg/m3	147	59 mg/m3	246 mg/m3	1091 mg/m3		98 mg/m3
Skin		89 mg/kg bw/d		75 mg/kg bw/d		89 mg/kg bw/d		125 mg/kg bw/d

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction. VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard ; MED = medium hazard ; HIGH = high hazard.

2-BUTOXYETHANOL

Biological indices of exposure (BEI): Butoxyacetic acid (BAA) in urine, 200 mg/g creatinine. Sampling: end of shift.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

HAND PROTECTION

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability. The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

SKIN PROTECTION

Wear category I professional long-sleeved overalls and safety footwear (see Regulation 2016/425 and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

It is recommended to wear a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN



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14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear opencircuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Properties Appearance Colour Odour Melting point / freezing point Initial boiling point Flammability Lower explosive limit Upper explosive limit Flash point Auto-ignition temperature Decomposition temperature pH Kinematic viscosity Solubility Partition coefficient: n-octanol/water	Value liquid Orange lemon not available not available Non-flammable based on composition Not explosive based on composition Not explosive based on composition Not explosive based on composition not available not available not available 9,5-10,5 not available Soluble in water not available for the blend, see sect. 12 for the individual substances contained
Solubility Partition coefficient: n-octanol/water	Soluble in water not available for the blend, see sect. 12 for the individual substances contained
Vapour pressure Density and/or relative density Relative vapour density Particle characteristics	not available 1-1,02 g/cm3 not available not applicable based on physical status

9.2. Other information

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics

Information not available

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.



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10.3. Possibility of hazardous reactions

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

10.4. Conditions to avoid

Avoid heat, sparks, flames and electric charges.

10.5. Incompatible materials

Oxidizing agents, strong acids.

10.6. Hazardous decomposition products

Does not decompose when used for its intended uses

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

ACUTE TOXICITY

ATE (Inhalation - vapours) of the mixture: ATE (Oral) of the mixture: ATE (Dermal) of the mixture:

> 20 mg/l
 >2000 mg/kg
 Not classified (no significant component)

> 7000 mg/kg Rat (OECD 401)

> 2000 mg/kg rabbit (equivalent or similar to OECD 402)

> 6,41 mg/l/4h Rat (no guideline followed, source: ECHA website)

	ATE
SODIUM-p-COMENESULPHON	AIE

LD50 (Dermal): LD50 (Oral): LC50 (Inhalation mists/powders):

2-BUTOXYETHANOL

LD50 (Oral): STA (Inhalation vapours): 1200 mg/kg ATE (Annex VI, Regulation 1272/2008) 11 mg/l estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)

The substance is classified as harmful by ingestion and inhalation oral: ATE = 1200 mg/kg of p. c. (harmonised classification, Annex VI, Reg. 1272/2008 - ATP XV (DELEGATED REGULATION (EU) 2020/1182))

TETRAPOTASSIUM PYROPHOSPHATE Method: Code of Federal Regulations, section 1500. Reliability (Klimisch score): 2 Species: rat (Wistar; Male / Female) Exposure: oral Results: LD50 = 2440 mg / kg Method: OECD 403 Reliability (Klimisch score): 1 Species: rat (Sprague-Dawley; Male / Female) Exposure: inhalation (dust)





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Not mutagenic, in vivo mouse test (OECD Guideline 474, Mammalian Erythrocyte Micronucleus Test).	
TETRAPOTASSIUM PYROPHOSPHATE Method: equivalent or similar to OECD 471- In vitro test Reliability (Klimisch score): 2 Species: S. typhimurium, E. coli Results: negative with and without metabolic activation.	
REACTION MASS OF 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE [EC no. 247-500-7]; AND 2-METHYL-2H-ISOTHIAZ 6] (3:1) Method: OECD 482 - In vitro test Reliability (Klimisch score): 1 Results: Negative Method: OECD 475 - In vivo test Reliability (Klimisch score): 1 Exposure: oral Species: mouse (CD-1) Results: Negative	ZOL-3-ONE [EC no. 220-239-
2-BUTOXYETHANOL Method: equivalent or similar to OECD 471 - In vitro test Reliability (Klimisch score): 1 Species: S. typhimurium Results: negative Method: equivalent or similar to OECD 474 Reliability (Klimisch score): 1 Species: mouse (B6C3F1; Male) Exposure: intraperitoneal Results: negative.	
CARCINOGENICITY Does not meet the classification criteria for this hazard class	
TETRAPOTASSIUM PYROPHOSPHATE Based on available data, the substance does not show carcinogenic effects and is not classified under the CLP hazard class	s of carcinogenicity.
SODIUM-p-CUMENESULPHONATE To date, there is no evidence of carcinogenic activity in two skin carcinogenicity studies in rats and mice (Study equivalent 453, Combined Chronic Toxicity / Carcinogenicity Studies).	or similar to OECD Guideline
REACTION MASS OF 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE [EC no. 247-500-7]; AND 2-METHYL-2H-ISOTHIAZ 6] (3:1) Based on the evidence of available data, the substance is not classified for the hazard class CLP of carcinogenecity	ZOL-3-ONE [EC no. 220-239-
2-BUTOXYETHANOL Method: equivalent or similar to OECD 451 Reliability (Klimisch score): 1 Species: rat (Fischer 344; Male / Female) Exposure: inhalation (vapors) Results: negative. NOAEL (carcinogenicity) = 125 ppm.	
REPRODUCTIVE TOXICITY Does not meet the classification criteria for this hazard class	
SODIUM-p-CUMENESULPHONATE Based on available data, the substance has no reproductive toxicity effects and is not classified under the relevant CLP haza	ard class.
Adverse effects on sexual function and fertility REACTION MASS OF 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE [EC no. 247-500-7]; AND 2-METHYL-2H-ISOTHIAZ 6] (3:1)	ZOL-3-ONE [EC no. 220-239-



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Method: OECD 416 Reliability (Klimisch score): 1 Species: rat Crl: CD BR Exposure: oral
Results: Negative. NOAEL = 300 ppm.
2-BUTOXYETHANOL Method: equivalent or similar to OECD 409 Reliability (Klimisch score): 1 Species: rat (Fischer 344; Male / Female) Exposure: oral Results: negative. NOAEL (female)> 470 mg / kg body weight / day.
Adverse effects on development of the offspring TETRAPOTASSIUM PYROPHOSPHATE Bibliographical references: study report (1973) Reliability (Klimisch score): 2 Species: hamster (Golden) Exposure: oral Results: negative. NOAEL (maternal)> 166 mg / kg body weight / day. NOAEL (development):> 166 mg / kg body weight / day
REACTION MASS OF 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE [EC no. 247-500-7]; AND 2-METHYL-2H-ISOTHIAZOL-3-ONE [EC no. 220-239- 6] (3:1) Method: EPA OPP 83-3 Reliability (Klimisch score): 1 Species: rat (Sprague-Dawley) Exposure: oral Results: LOAEL = 28 mg / kg. No signs of teratogenicity or embryotoxicity.
2-BUTOXYETHANOL Method: equivalent or similar to OECD 414 Reliability (Klimisch score): 1 Species: rat (Fischer 344) Exposure: oral Results: negative. NOAEL (maternal) = 30 mg / kg body weight / day. NOAEL (development) = 100 mg / kg body weight / day.
STOT - SINGLE EXPOSURE Does not meet the classification criteria for this hazard class
SODIUM-p-CUMENESULPHONATE Based on available data, the substance does not show specific target organ toxicity effects for single exposure and is not classified under the relevant CLP hazard class.
TETRAPOTASSIUM PYROPHOSPHATE Based on available data, the substance has no specific target organ toxicity effects for single exposure and is not classified under the relevant CLP hazard class.
REACTION MASS OF 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE [EC no. 247-500-7]; AND 2-METHYL-2H-ISOTHIAZOL-3-ONE [EC no. 220-239- 6] (3:1) Based on available data, the substance does not show specific target organ toxicity effects for single exposure and is not classified under the relevant CLP hazard class.
2-BUTOXYETHANOL Based on available data, the substance has no specific target organ toxicity effects for single exposure and is not classified under the relevant CLP hazard class
STOT - REPEATED EXPOSURE Does not meet the classification criteria for this hazard class
SODIUM-p-CUMENESULPHONATE



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No adverse effects observed, in vivo rat study (NOAEL > 763 - < 3 534 mg/kg bw/day, equivalent or similar to OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents). TETRAPOTASSIUM PYROPHOSPHATE Method: OECD 408 Reliability (Klimisch score): 2 Species: rat (Sprague-Dawley; Male / Female) Exposure: oral Results: negative. NOAEL: 250 mg / kg body weight / day REACTION MASS OF 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE [EC no. 247-500-7]; AND 2-METHYL-2H-ISOTHIAZOL-3-ONE [EC no. 220-239-6] (3:1) Method: OECD 409 Reliability (Klimisch score): 1 Species: dog (beagle) Exposure: oral Results: Negative. NOAEL = 22 mg / kg Method: OECD 413 Reliability (Klimisch score): 1 Species: mouse (Crl: CD (SD) BR) Exposure: inhalation (aerosol) Results: Negative. NOAEL = 0.34 mg / m³ Method: EPA OPP 82-3 Reliability (Klimisch score): 1 Species: rat (Sprague-Dawley) Exposure: Dermal Results: Negative. NOAEL (systemic toxicity): 18.75 mg / kg body weight / day. NOAEL (local irritation): 0.75 mg / kg body weight / day 2-BUTOXYETHANOL Method: OECD 408 Reliability (Klimisch score): 1 Species: rat (Fischer; 344 Male / Female) Exposure: oral Results: negative. NOAEL (histopathological) <69 mg / kg body weight / day Method: equivalent or similar to OECD 453 Reliability (Klimisch score): 1 Species: rat (Fischer 344; Male / Female) Exposure: inhalation (vapor) Results: negative. NOAEC (Pigmentation of Kupffer cells) <31 ppm Method: equivalent or similar to OECD 411 Reliability (Klimisch score): 1 Species: rabbit (New Zealand White; Male / Female) Exposure: Dermal Results: negative. NOAEL> 150 mg / kg body weight / day. ASPIRATION HAZARD Does not meet the classification criteria for this hazard class

11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity



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SODIUM-p-CUMENESULPHONATE LC50 - for Fish

EC50 - for Crustacea Chronic NOEC for Algae / Aquatic Plants

TETRAPOTASSIUM PYROPHOSPHATE

LC50 - for Fish

EC50 - for Crustacea

EC50 - for Algae / Aquatic Plants

Chronic NOEC for Algae / Aquatic Plants

REACTION MASS OF 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE [EC no. 247-500-7]; AND 2-METHYL-2H-ISOTHIAZOL-3-ONE [EC no. 220-239-6] (3:1) LC50 - for Fish

EC50 - for Crustacea EC50 - for Algae / Aquatic Plants

Chronic NOEC for Fish

Chronic NOEC for Crustacea

Chronic NOEC for Algae / Aquatic Plants

2-BUTOXYETHANOL

LC50 - for Fish EC50 - for Crustacea EC50 - for Algae / Aquatic Plants Chronic NOEC for Algae / Aquatic Plants

12.2. Persistence and degradability

2-BUTOXYETHANOL Rapidly degradable, 87.5% in 22 days (OECD 301 B)

SODIUM-p-CUMENESULPHONATE

Rapidly degradable OECD Guideline 301 B

TETRAPOTASSIUM PYROPHOSPHATE

Degradability: information not available inorganic substance

REACTION MASS OF 5-CHLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE [EC no. 247-500-7]; AND 2-METHYL-2H-ISOTHIAZOL-3-ONE [EC no. 220-239-6] (3:1) NOT rapidly degradable 54.1% - 28d (OECD 301B) > 1000 mg/l/96h Oncorhynchus mykiss (equivalente o similare a EPA OTS 797.1400)

> 1000 mg/l/48h Daphnia magna (EPA OTS 797.1300)

31 mg/l/96h Selenastrum capricornutum (EPA OTS 797.1050)

100 mg/l/96h Salmo gairdneri; OECD 203, read across

100 mg/l/48h Daphnia magna; EPA OTS 797.1300

100 mg/l/72h Desmodesmus subspicatus; OECD 201, read across

100 mg/l/72h Desmodesmus subspicatus; OECD 201, read across

0,19 mg/l/96h Oncorhynchus mykiss (Ward and Boeri, 1990a/ Dow - metodo US EPA FIFRA 72-1)

0,16 mg/l/48h Daphnia magna (EPA OPP 72-2)

0,0052 mg/l/48h Skeletonema costatum (OECD 201 - US EPA OPPTS 850.5400) 0,02 mg/l/38 days Danio rerio (OECD Guideline 210)

0,0036 mg/l/21d Daphnia magna (OECD 202 - Mattock, 1996)

0,00049 mg/l/48 h Skeletonema costatum (OECD 201 - US EPA OPPTS 850.5400)

1464 mg/l/96h Oncorhynchus mykiss (OECD 203)
1800 mg/l/48h Daphnia magna (OECD 202)
911 mg/l/72h Pseudokirchneriella subcapitata (OECD 201)
88 mg/l Pseudokirchneriella subcapitata (OECD 201)

			Т	V : 0
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	BINC	5.r.i.		Dated 01/12/2022
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		ETELT Detergent		Page n. 15/20
	WADE 1300, WAD			
12.3. Bioaccumulative potential				
TETRAPOTASSIUM PYROPHOS	PHATE			
Partition coefficient: n-octanol/wat	ter: data not available			
inorganic substance				
SODIUM-p-CUMENESULPHON	ATE			
Partition coefficient: n-octanol/wa	ater	-1,1 Log Kow OECD Guideline 107		
REACTION MASS OF 5-CHLOR	10-2-			
247-500-7]; AND 2-METHYL-2H-				
ISOTHIAZOL-3-ONE [EC no. 220	-239-6]			
(3:1) Partition coefficient: n-octanol/wa	ater	0,75 Log Pow C(M)IT: 0.75 MIT: -0.71	(OECD 107)	
2-BUTOXYETHANOL				
Partition coefficient: n-octanol/wa	ater	0,81 Log Pow, 20°C BASF standard me	thod	
12.4. Mobility in soil				
Information not available				
12.5. Results of PBT and vPvB as	sessment			
On the basis of available data, the p	product does not contain any	PBT or vPvB in percentage ≥ than 0,1%.		
12.6. Endocrine disrupting prope	rties			
Based on the available data, the pro	oduct does not contain substa	ances listed in the main European lists of p	otential or suspected	endocrine disruptors with

12.7. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered not special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations. (Directive 2008/98/EC and subsequent amendments and adjustments and related national transpositions). Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. The legal responsibility for disposal is the producer / holder of the waste.

To this mixture different EWC codes could be applied (European Waste Code) based on the specific circumstances that generated the waste, possible alterations and / or possible contamination.

The product as such, contained in the original packaging, or decanted in an appropriate container for the purpose of disposal, or no longer usable (for example following an accidental spill), must be classified with a EWC code that is compatible with the description of the use indicated in section 1.2.

The suitable final destination of the waste must be evaluated by the manufacturer on the basis of the chemical-physical characteristics of the waste, the compatibility with the authorized facility to which it will be given for recovery, and the definitive treatment or disposal according to the procedures established by current regulations . Disposal through wastewater discharge is not permitted.



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CONTAMINATED PACKAGING

Contaminated packaging must be sent, properly labeled, to recovery or disposal in compliance with national waste management regulations and must be classified with the following EWC code:

15 01 01 : paper and cardboard packaging
15 01 02 : plastic packaging
15 01 03 : wooden packaging
15 01 04 : metallic packaging
15 01 05 : composite packaging
15 01 06 : mixed packaging
15 01 07 : glass packaging
15 01 09 : textile packaging

SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1. UN number or ID number

not applicable

14.2. UN proper shipping name

not applicable

14.3. Transport hazard class(es)

not applicable

14.4. Packing group

not applicable

14.5. Environmental hazards

not applicable

14.6. Special precautions for user

not applicable

14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

SECTION 15. Regulatory information

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

Seveso Category - Directive 2012/18/EU: None

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

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BMC	BMC S.r.I.	Dated 01/12/2022
Air Filter	Via Roslè 115- 40059- Medicina- BO- Italy Mail: <u>info@bmcairfilters.com</u>	
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Contained substance		
Point	75	
Regulation (EU) 2019/1148	- on the marketing and use of explosives precursors	
not applicable		
Substances in Candidate Li	ist (Art. 59 REACH)	
On the basis of available da	ata, the product does not contain any SVHC in percentage \geq than 0,1%.	
Substances subject to auth	orisation (Annex XIV REACH)	
None		
Substances subject to expo	rtation reporting pursuant to Regulation (EU) 649/2012:	
None		
Substances subject to the F	Rotterdam Convention:	
None		
Substances subject to the S	Stockholm Convention:	
None		
Healthcare controls		
Information not available		
Substances subject to Regu	ulation (EU) n. 528/2012 (Making available on the market and use of biocidal products):	
REACTION MASS OF 5-CH 6] (3:1)	HLORO-2-METHYL-2H-ISOTHIAZOL-3-ONE [EC no. 247-500-7]; AND 2-METHYL-2H-IS	OTHIAZOL-3-ONE [EC no. 220-239
Synonym: C(M)IT/MIT (3:1) CAS number: 55965-84-9.		
Approved for product type 6 Implementing Regulation (E	6 (PT 6 - Preservatives for products during storage). EU) 2016/131.	
Regulation (EC) No. 648/20	004	
Ingredients according to Re	gulation (EC) No. 648/2004	
Less than 5%	phosphates, anionic surfactants, non-ionic surfactants	
perfumes Preservation agents: Methy The surfactant(s) contained detergents. All supporting d at the request of a manufac	Ichloroisothiazolinone, Methylisothiazolinone I in this formulation is (are) compliant with the biodegradability criteria established by Reg lata are kept at the disposal of the competent authorities of the Member States and will be turer of the formulation, to the aforementioned authorities.	ulation (EC) No. 648/2004 relating t e provided, at their explicit request c



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15.2. Chemical safety assessment

A chemical safety assessment has not been prepared for the mixture.

SECTION 16. Other information

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

Acute Tox. 2	Acute toxicity, category 2
Acute Tox. 3	Acute toxicity, category 3
Acute Tox. 4	Acute toxicity, category 4
Skin Corr. 1C	Skin corrosion, category 1C
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
Skin Sens. 1A	Skin sensitization, category 1A
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
H310	Fatal in contact with skin.
H330	Fatal if inhaled.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H332	Harmful if inhaled.
H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.
EUH210	Safety data sheet available on request.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE: Identifier in ESIS (European archive of existing substances) CLP: Regulation (EC) 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: 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

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 PEC: Predicted environmental Concentration PEL: Predicted exposure level PNEC: Predicted no effect concentration REACH: Regulation (EC) 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: Time-weighted average exposure limit TWA STEL: Short-term exposure limit VOC: Volatile organic Compounds vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation WGK: Water hazard classes (German).
GENERAL BIBLIOGRAPHY 1. Regulation (EC) 1907/2006 (REACH) of the European Parliament 2. Regulation (EC) 1272/2008 (ALP) of the European Parliament 3. Regulation (EU) 2020/878 (II Annex of REACH Regulation) 4. Regulation (EU) 2020/878 (II Annex of REACH Regulation) 4. Regulation (EU) 2020/878 (II Annex of REACH Regulation) 4. Regulation (EU) 2020/878 (II Annex of REACH) of the European Parliament 5. Regulation (EU) 847/2013 (II Atp. CLP) of the European Parliament 8. Regulation (EU) 847/2013 (IV Atp. CLP) of the European Parliament 9. Regulation (EU) 847/2013 (IV Atp. CLP) of the European Parliament 10. Regulation (EU) 850/2014 (VI Atp. CLP) of the European Parliament 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament 12. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament 13. Regulation (EU) 2017/776 (X Atp. CLP) 14. Regulation (EU) 2018/2013 (IX Atp. CLP) 15. Regulation (EU) 2018/21 (XII Atp. CLP) 16. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP) 17. Regulation (EU) 2018/21 (XII Atp. CLP) 18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP) 19. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP) 19. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP) 21. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP) 22. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP) 23. Delegated Regulation (UE) 2020/21843 (XVI Atp. CLP) 24. Delegated Regulation (UE) 2020/21843 (XVI Atp. CLP) 25. Delegated Regulation (UE) 2020/21843 (XVI Atp. CLP) 26. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP) 27. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP) 28. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP) 29. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP) 20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP) 21. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP) 22. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP) 23. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP) 24. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP) 25. Delegated Regulation (UE) 2022/692 (XVIII Atp. CLP) 26. Delegated Regula
Note for the recipient of the Safety Data Sheet (SDS):

The recipient of this SDS shall make sure of reading and understanding the information included by all people who handle, store, use, or otherwise come into contact in any way with the substance or mixture to which this SDS is referred to. In particular, the recipient shall provide adequate training to the personnel for the use of hazardous substances and/or mixtures. The recipient shall verify the suitability and completeness of the provided information according to the specific use of the substance or mixture.

However, the substance or mixture referred to by this SDS shall not be used for uses other than those specified in Section 1. The Supplier don't assume responsibility for improper uses. Since the use of the product does not fall under the direct control of the Supplier, the user shall, under his own responsibility, fulfill national and EU regulations concerning health and safety.

The information included in this SDS are provided in good faith and are based on the current state of scientific and technical knowledge, at the revision date indicated, available to the Supplier indicated in Section 1 of this SDS. It shall not be meant that the SDS is a guarantee of any specific property of the substance or mixture. The information concern only to the substance or mixture specifically designated in Section 1 and it could not be valid for the substance or mixture used in combination with other materials or in any process not specified in the text.



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This version of the SDS replaces all previous versions.

Changes from the previous revision Changes have been made to the following sections: All.