

Trade name : DY-023 Bio Filth Fighter
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Version (Revision) : 3.0.0 (2.3.0)

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

1.1 Product identifier

DY-023 Bio Filth Fighter

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

Relevant identified uses

PC 35 - Washing and cleaning products

1.3 Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor)

Dynamic Bike Care BV

Street : Slotenmakerstraat 11

Postal code/city : 2672GC Naaldwijk

Telephone : +31 (0)850220362

E-mail : info@dynamicbikecare.com

1.4 Emergency telephone number

+31 (08502203625)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

None

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Special rules for supplemental label elements for certain mixtures

EUH210 Safety data sheet available on request.

2.3 Other hazards

None

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description

Aqueous blend of detergents, sugar based water softener, biodegradable solvent, alkaline components such as natural pure soda

Hazardous ingredients

3-METHOXY-3-METHYL-1-BUTANOL ; REACH No. : 01-2119976333-33 ; EC No. : 260-252-4; CAS No. : 56539-66-3

Weight fraction : $\geq 5 - < 10$ %

Classification 1272/2008 [CLP] : Eye Irrit. 2 ; H319

SODIUM CARBONATE ; REACH No. : 01-2119485498-19 ; EC No. : 207-838-8; CAS No. : 497-19-8

Weight fraction : $\geq 1 - < 2,5$ %

Classification 1272/2008 [CLP] : Eye Irrit. 2 ; H319

Additional information

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

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4.1 Description of first aid measures

When in doubt or if symptoms are observed, get medical advice.

Following inhalation

Provide fresh air.

In case of skin contact

Wash immediately with: Water

After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Call a physician immediately.

Self-protection of the first aider

First aider: Pay attention to self-protection!

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

None

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

The product itself does not burn.

Unsuitable extinguishing media

not applicable

5.2 Special hazards arising from the substance or mixture

not applicable

5.3 Advice for firefighters

Special protective equipment for firefighters

Protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protection equipment. Provide adequate ventilation. See protective measures under point 7 and 8.

For non-emergency personnel

Use personal protection equipment.

6.2 Environmental precautions

Dilute with plenty of water.

6.3 Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Clean contaminated articles and floor according to the environmental legislation.

6.4 Reference to other sections

No particular measures required.

6.5 Additional information

Clear spills immediately.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling



Protective measures

No special technical protective measures are necessary. Wear personal protection equipment (refer to section 8).

Measures to prevent fire

No special fire protection measures are necessary.

Environmental precautions

No special fire protection measures are necessary.

7.2 Conditions for safe storage, including any incompatibilities

None

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

None

8.2 Exposure controls

Personal protection equipment



Eye/face protection

Eye glasses with side protection

Skin protection

Hand protection

Suitable gloves type : Disposable gloves.

Suitable material : NR (natural rubber, natural latex) NBR (Nitrile rubber) Butyl caoutchouc (butyl rubber)

Required properties : liquid-tight.

Breakthrough time (maximum wearing time) : >480 min

Thickness of the glove material : 0,12 mm

Respiratory protection

Usually no personal respiratory protection necessary.

General information

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : Liquid

Colour : blue

Odour : characteristic

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Safety characteristics

Freezing point :	(1013 hPa)	0	°C
Initial boiling point and boiling range :	(1013 hPa)	100	°C
Decomposition temperature :	(1013 hPa)	not applicable	
Flash point :		not applicable	
Auto-ignition temperature :		not applicable	
Flammability (solid, gas) :		No data available	
Lower explosion limit :		not applicable	
Upper explosion limit :		not applicable	
Vapour Pressure :	(20 °C)	not applicable	
Density :	(20 °C)	approx. 1,02	g/cm ³
Water solubility :	(20 °C)	100	Wt %
pH :		10 - 11	
pH :	(20 °C / 10 g/l)	No data available	
log P O/W :		No data available	
Flow time :	(20 °C)	No data available	DIN-cup 4 mm
Viscosity :	(20 °C)	No data available	
Odour threshold :		not applicable	
Relative vapour density :	(20 °C)	No data available	
Evaporation rate :		not applicable	
Valt onder Detergentia Verordening (EG) Nr. 648/2004 J/N		yes	
Oxidising liquids :	Not applicable.		
Explosive properties :	Not applicable.		

9.2 Other information

nanomaterial not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity

No information available.

10.2 Chemical stability

No information available.

10.3 Possibility of hazardous reactions

No information available.

10.4 Conditions to avoid

No information available.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No information available.

SECTION 11: Toxicological information

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

Acute toxicity

Acute oral toxicity

Parameter : LD50 (3-METHOXY-3-METHYL-1-BUTANOL ; CAS No. : 56539-66-3)
Exposure route : Oral
Species : Rat

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Effective dose : 4400 mg/kg
Parameter : LD50 (SODIUM CARBONATE ; CAS No. : 497-19-8)
Exposure route : Oral
Species : Rat
Effective dose : 2800 mg/kg

Acute dermal toxicity

Parameter : LD50 (3-METHOXY-3-METHYL-1-BUTANOL ; CAS No. : 56539-66-3)
Exposure route : Dermal
Species : Rat
Effective dose : > 2000 mg/kg

Parameter : LD50 (SODIUM CARBONATE ; CAS No. : 497-19-8)
Exposure route : Dermal
Species : Rat
Effective dose : > 2000 mg/kg

Acute inhalation toxicity

Parameter : LC50 (SODIUM CARBONATE ; CAS No. : 497-19-8)
Exposure route : Inhalation (dust/mist)
Species : Rat
Effective dose : 2300 mg/l

Corrosion

Irritation to respiratory tract

No information available.

Respiratory or skin sensitisation

Skin sensitisation

No information available.

Sensitisation to the respiratory tract

No information available.

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Carcinogenicity

No information available.

Germ cell mutagenicity

No information available.

Reproductive toxicity

No information available.

STOT-single exposure

No information available.

STOT SE 1 and 2

Parameter : NOAEL(C) (3-METHOXY-3-METHYL-1-BUTANOL ; CAS No. : 56539-66-3)
Exposure route : Oral
Species : Rat
Effective dose : 60 mg/kg
Exposure time : 28 Days

Parameter : LOAEL(C) (3-METHOXY-3-METHYL-1-BUTANOL ; CAS No. : 56539-66-3)
Exposure route : Oral
Species : Rat
Effective dose : 250 mg/kg
Exposure time : 28 Days

Parameter : LOAEL(C) (3-METHOXY-3-METHYL-1-BUTANOL ; CAS No. : 56539-66-3)
Exposure route : Inhalative
Species : Rat
Effective dose : 0,53 mg/l
Exposure time : 28 Days

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STOT-repeated exposure

No information available.

11.2 Information on other hazards

Endocrine disrupting properties

not applicable

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

Parameter : LC50 (SODIUM CARBONATE ; CAS No. : 497-19-8)
Species : Lepomis macrochirus (Bluegill)
Effective dose : 300 mg/l
Exposure time : 96 h

Acute (short-term) toxicity to crustacea

Parameter : EC50 (SODIUM CARBONATE ; CAS No. : 497-19-8)
Species : Daphnia magna (Big water flea)
Effective dose : 265 mg/l
Exposure time : 48 h

Chronic (long-term) toxicity to crustacea

Parameter : NOEC (3-METHOXY-3-METHYL-1-BUTANOL ; CAS No. : 56539-66-3)
Species : Chronic (long-term) daphnia toxicity
Effective dose : 100 mg/l
Exposure time : 21 Days

Acute (short-term) toxicity to aquatic algae and cyanobacteria

Parameter : EC50 (3-METHOXY-3-METHYL-1-BUTANOL ; CAS No. : 56539-66-3)
Species : Daphnia pulex (water flea)
Effective dose : > 1000 mg/l
Exposure time : 48 h

Chronic (long-term) algae toxicity

Parameter : NOEC (3-METHOXY-3-METHYL-1-BUTANOL ; CAS No. : 56539-66-3)
Species : Selenastrum capricornutum
Effective dose : 1000 mg/l
Exposure time : 72 h

Toxicity to microorganisms

Parameter : EC50 (3-METHOXY-3-METHYL-1-BUTANOL ; CAS No. : 56539-66-3)
Species : Toxicity to microorganisms
Effective dose : > 1000 mg/l
Exposure time : 3 h

12.2 Persistence and degradability

Based on the raw materials, this product is classified as readily biodegradable

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Endocrine disrupting properties

No information available.

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12.7 Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Dispose according to legislation.

SECTION 14: Transport information

14.1 UN number

No dangerous good in sense of these transport regulations.

14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

14.4 Packing group

No dangerous good in sense of these transport regulations.

14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

14.6 Special precautions for user

None

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

not applicable

SECTION 15: Regulatory information

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

None

15.2 Chemical safety assessment

For this mixture a chemical safety assessment has not been carried out.

SECTION 16: Other information

16.1 Indication of changes

03. Hazardous ingredients · 11. Irritation to respiratory tract · 11. Respiratory or skin sensitisation - Skin sensitisation · 11. Respiratory or skin sensitisation - Sensitisation to the respiratory tract · 11. Carcinogenicity · 11. Germ cell mutagenicity · 11. Reproductive toxicity · 11. STOT-single exposure · 11. STOT-repeated exposure

16.2 Abbreviations and acronyms

a.i. = Active ingredient
ACGIH = American Conference of Governmental Industrial Hygienists (US)
ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road
AFFF = Aqueous Film Forming Foam
AISE = International Association for Soaps, Detergents and Maintenance Products (joint project of AISE and CEFIC)
AOAC = AOAC International (formerly Association of Official Analytical Chemists)
aq. = Aqueous
ASTM = American Society of Testing and Materials (US)
atm = Atmosphere(s)
B.V. = Beperkt Vennootschap (Limited)

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BCF = Bioconcentration Factor
bp = Boiling point at stated pressure
bw = Body weight
ca = (Circa) about
CAS No = Chemical Abstracts Service Number (see ACS - American Chemical Society)
CEFIC = European Chemical Industry Council (established 1972)
CIPAC = Collaborative International Pesticides Analytical Council
CLP = REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures.
Conc = Concentration
cP = CentiPoise
cSt = Centistokes
d = Day(s)
DIN = Deutsches Institut für Normung e.V.
DNEL = Derived No-Effect Level
DT50 = Time for 50% loss; half-life
EbC50 = Median effective concentration (biomass, e.g. of algae)
EC = European Community; European Commission
EC50 = Median effective concentration
EINECS = European Inventory of Existing Commercial Chemical Substances (EU, outdated, now replaced by EC Number)
ELINCS = European List of Notified (New) Chemicals (see Tab 7, Background - Guide)
ErC50 = Median effective concentration (growth rate, e.g. of algae)
EU = European Union
EWC = European Waste Catalogue
FAO = Food and Agriculture Organization (United Nations)
GIFAP = Groupement International des Associations Nationales de Fabricants de Produits Agrochimiques (now CropLife International)
h = Hour(s)
hPa = HectoPascal (unit of pressure)
IARC = International Agency for Research on Cancer
IATA = International Air Transport Association
IC50 = Concentration that produces 50% inhibition
IMDG Code = International Maritime Dangerous Goods Code
IMO = International Maritime Organization
ISO = International Organization for Standardization
IUCLID = International Uniform Chemical Information Database
IUPAC = International Union of Pure and Applied Chemistry
kg = Kilogram
Kow = Distribution coefficient between n-octanol and water
kPa = KiloPascal (unit of pressure)
LC50 = Concentration required to kill 50% of test organisms
LD50 = Dose required to kill 50% of test organisms
LEL = Lower Explosive Limit/Lower Explosion Limit
LOAEL = Lowest observed adverse effect level
mg = Milligram
min = Minute(s)
ml = Milliliter
mmHg = Pressure equivalent to 1 mm of mercury (133.3 Pa)
mp = Melting point
MRL = Maximum Residue Limit
MSDS = Material Safety Data Sheet
n.o.s. = Not Otherwise Specified
NIOSH = National Institute for Occupational Safety and Health (US)
NOAEL = No Observed Adverse Effect Level
NOEC = No observed effect concentration
NOEL = No Observable Effect Level
NOx = Oxides of Nitrogen
OECD = Organization for Economic Cooperation and Development
OEL = Occupational Exposure Limits

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Pa = Pascal (unit of pressure)
PBT = Persistent, Bioaccumulative or Toxic
pH = -log₁₀ hydrogen ion concentration
pKa = -log₁₀ acid dissociation constant
PNEC = Previsible Non Effect Concentration
POPs = Persistent Organic Pollutants
ppb = Parts per billion
PPE = Personal Protection Equipment
ppm = Parts per million
ppt = Parts per trillion
PVC = Polyvinyl Chloride
QSAR = Quantitative Structure-Activity Relationship
REACH = Registration, Evaluation and Authorization of Chemicals (EU, see NCP)
SI = International System of Units
STEL = Short-Term Exposure Limit
tech. = Technical grade
TSCA = Toxic Substances Control Act (US)
TWA = Time-Weighted Average
vPvB = Very Persistent and Very Bioaccumulative
WHO = World Health Organization = OMS
y = Year(s)

16.3 Key literature references and sources for data

None

16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Calculation method

16.5 Relevant H- and EUH-phrases (Number and full text)

H319 Causes serious eye irritation.

16.6 Training advice

None

16.7 Additional information

Notice the directions for use on the label.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.
