

Safety Data Sheet
according to Regulation (EC) No. 1907/2006 (REACH)
according to Regulation (EU) 2015/830



Article No.: 203200015
Print date: 04.06.2018
Version: 9-1

Blue Wonder All-purpose cleaner Concentrate
Revision date: 25.05.2018
Issue date: 25.05.2018

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

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

Article No. (manufacturer/supplier): 203200015
Identification of the substance or mixture: Blue Wonder All-purpose cleaner Concentrate
EAN8712038001776

1.2. Details of the supplier of the safety data sheet

Relevant identified uses

for cleaning

Uses advised against

There is no information available for use is discouraged facing.

1.3. Details of the supplier of the safety data sheet

supplier (manufacturer/importer/downstream user/distributor)

Blue Wonder
Aerdenhoutsduinweg 1 Telephone: +031(0) 251-315683
NL-2111 AN Aerdenhout Telefax: +31(0) 251-311197
The Netherlands E-mail info@bluewonder.nl

Dept. responsible for information:

Blue Wonder +031(0) 251-315683
E-mail (competent person): info@bluewonder.nl

1.4. Emergency telephone number

National Poison phone number Information
Centrum (NVIC): +31 30-2748888
Exclusively intended for healthcare professionals in acute poisoning.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

Eye Irrit. 2 / H319 Serious eye damage/eye irritation Causes serious eye irritation.

2.2. Label elements

The product is classified and labelled according to EC directives or corresponding national laws.

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

Hazard pictograms



Warning

Hazard statements

H319 Causes serious eye irritation.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read label before use.
P264 Wash hands thoroughly after handling.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 If eye irritation persists: Get medical advice/attention.

contains:

citral
Citronellol
Limonene
Methylisothiazolinone
Benzylisothiazolinone

Supplemental Hazard information (EU)

not applicable

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2.3. Other hazards

SECTION 3: Composition / information on ingredients

3.1. Substances

Not applicable.

3.2. Mixtures

Product description / chemical characterization

Description cleaning preparation based on surfactants

Hazardous ingredients

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

EC No. CAS No. INDEX No.	REACH No. Chemical name classification: // Remark	Wt %
160875-66-1	ethoxylated fatty alcohol Acute Tox. 4 H302 / Eye Dam. 1 H318	1 - 2,5
203-905-0 111-76-2 603-014-00-0	01-2119475108-36 2-butoxyethanol Acute Tox. 4 H332 / Acute Tox. 4 H312 / Acute Tox. 4 H302 / Eye Irrit. 2 H319 / Skin Irrit. 2 H315	1 - 2,5
287-809-4 85586-07-8	01-2119489463-28-0007 Sulfuric acid, mono-C12-14-alkyl esters, sodium salts Acute Tox. 4 H302 / Skin Irrit. 2 H315 / Eye Dam. 1 H318 / Aquatic Chronic 3 H412	0,5 - 1

Additional information

Full text of classification: see section 16

Hazardous ingredients

Labelling for contents according to regulation (EC) No. 648/2004:

Wt %	Ingredient (Designation)
< 5 %	nonionic surfactants
< 5 %	anionic surfactants
	perfumes
	preservative

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Take off immediately all contaminated clothing. In case of unconsciousness give nothing by mouth, place in recovery position and seek medical advice. In all cases of doubt, or when symptoms persist, seek medical advice.

In case of inhalation

Remove casualty to fresh air and keep warm and at rest. Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

Following skin contact

Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.

After eye contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious). Keep victim calm. Do NOT induce vomiting. Call a physician immediately. If medical advice is needed, have product container or label at hand.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

4.3. Mammalian cells (with metabolic activation)

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No data available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Extinguishing powder, Carbon dioxide (CO₂), spray mist, (water)

Extinguishing media which must not be used for safety reasons:

strong water jet

5.2. Special hazards arising from the substance or mixture

Inhaling hazardous decomposing products can cause serious health damage.

5.3. Advice for firefighters

Wear suitable protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protection equipment. Do not breathe vapours. See protective measures under point 7 and 8.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13). Treat the recovered material as prescribed in the section on waste disposal. Provide adequate ventilation.

6.4. Reference to other sections

Observe protective provisions (see section 7 and 8).

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advices on safe handling

Precautions against fire and explosion:

non-combustible liquids that cannot be assigned to any of the above storage classes

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7. Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

Hints on joint storage

Keep away from strongly acidic and alkaline materials as well as oxidizers.

Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 5 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

7.3. Specific end use(s)

Observe technical data sheet. Observe instructions for use, Notice the directions for use on the label.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values:

2-butoxyethanol

INDEX No. 603-014-00-0 / EC No. 203-905-0 / CAS No. 111-76-2

WEL, TWA: 123 mg/m³; 25 ppm

WEL, STEL: 246 mg/m³; 50 ppm

BMGV, TWA: 240 mmol/mol creatinine

Remark: Butoxyacetic acid; urine; end of exposure or end of shift

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Additional information

TWA : long-term occupational exposure limit value
STEL : short-term occupational exposure limit value
Ceiling : peak limitation

DNEL:

2-butoxyethanol

INDEX No. 603-014-00-0 / EC No. 203-905-0 / CAS No. 111-76-2

DNEL acute dermal, short-term (local), Workers: 89 mg/kg
DNEL acute dermal, short-term (systemic), Workers: 89 mg/kg bw/day
DNEL long-term dermal (local), Workers: 75 mg/kg
DNEL long-term dermal (systemic), Workers: 75 mg/kg bw/day
DNEL acute inhalative (local), Workers: 246 mg/m³
DNEL acute inhalative (systemic), Workers: 663 mg/m³
DNEL long-term inhalative (systemic), Workers: 98 mg/m³
DNEL short-term oral (acute), Consumer: 13,4 mg/kg bw/day
DNEL long-term oral (repeated), Consumer: 3,2 mg/kg bw/day
DNEL acute dermal, short-term (local), Consumer: 44,5 mg/kg
DNEL acute dermal, short-term (systemic), Consumer: 44,5 mg/kg bw/day
DNEL long-term dermal (systemic), Consumer: 38 mg/kg
DNEL acute inhalative (local), Consumer: 123 mg/m³
DNEL acute inhalative (systemic), Consumer: 426 mg/m³
DNEL long-term inhalative (local), Consumer: 49 mg/m³
DNEL long-term inhalative (systemic), Consumer: 49 mg/m³

PNEC:

2-butoxyethanol

INDEX No. 603-014-00-0 / EC No. 203-905-0 / CAS No. 111-76-2

PNEC aquatic, freshwater: 8,8 mg/l
PNEC aquatic, marine water: 0,88 mg/l
PNEC sediment, freshwater: 34,6 mg/kg
PNEC sediment, marine water: 3,46 mg/kg
PNEC, soil: 2,8 mg/kg
PNEC sewage treatment plant (STP): 463 mg/l

8.2. Exposure controls

Provide good ventilation. This can be achieved with local or room suction.

Occupational exposure controls

Respiratory protection

Not applicable.

Hand protection

For prolonged or repeated handling the following glove material must be used: NBR (Nitrile rubber)

Thickness of the glove material 0,4 mm Breakthrough time (maximum wearing time) 30 min

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin: Recommended glove articles DIN EN 374

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

Eye protection

Wear closely fitting protective glasses in case of splashes.

Protective clothing

Wear suitable protective clothing and gloves.

Protective measures

After contact clean skin thoroughly with water and soap or use appropriate cleanser.

Environmental exposure controls

Do not allow to enter into surface water or drains. See chapter 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:

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Physical state:	Liquid
Colour:	refer to label
Odour:	characteristic
Odour threshold:	not determined
pH at20 °C:	10
Melting point/freezing point:	not determined
Initial boiling point and boiling range:	not determined
Flash point:	not applicable Method: DIN 53213-1 (08/2002: replaced by EN ISO 1523)
Evaporation rate:	not determined
Flammability (solid, gas):	
Burning time (s):	not determined
Upper/lower flammability or explosive limits:	
Lower explosion limit:	1,1 Vol-%
Upper explosion limit:	10,6 Vol-% Source: 2-butoxyethanol
Vapour pressure at20 °C:	20,5085 mbar
Vapour density:	not determined
Relative density:	
Density at20 °C:	1,00 g/cm³ Method: ISO 2811, part 1
Solubility(ies):	
Water solubility (g/L) at20 °C:	completely miscible
Partition coefficient: n-octanol/water:	see section 12
Auto-ignition temperature:	231 °C Source: 2-butoxyethanol
Decomposition temperature:	not determined
Viscosity at20 °C:	> 12 s 4 mm Method: DIN 53211
Explosive properties:	not applicable
Oxidising properties:	not applicable
9.2. Other information	
Solid content (%):	5,91 Wt %
solvent content:	
Organic solvents:	2 Wt %
Water:	89 Wt %

SECTION 10: Stability and reactivity

10.1. Reactivity

No data available

10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

10.3. Possibility of hazardous reactions

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

10.4. Conditions to avoid

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

none

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SECTION 11: Toxicological information

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

No data on preparation itself available.

11.1. Information on toxicological effects

Acute toxicity

2-butoxyethanol

oral, LD50, Rat: > 300 mg/kg

dermal, LD50, Rabbit: > 1000 mg/kg

inhalative (vapours), LC50, Rat: > 10 mg/l (4 h)

oral, LD50, Guinea pig: 1414 mg/kg

inhalative (vapours), LC0: > 3,1 mg/l (1 h)

dermal, LD50, Guinea pig: > 2000 mg/kg

Method: OECD 402

ethoxylated fatty alcohol

oral, LD50, Rat: > 500 mg/kg

Methylisothiazolinone

oral, LD50, Rat:

dermal, LD50, Rabbit: 242 mg/kg

inhalative (dust and mist), LC50, Rat: 0,11 mg/l (4 h)

Method: OECD 403

skin corrosion/irritation; Serious eye damage/eye irritation

2-butoxyethanol

Skin, Rabbit (4 h)

Method: OECD 405

ethoxylated fatty alcohol

eyes

Methylisothiazolinone

Skin, Rabbit (4 h)

Respiratory or skin sensitisation

Methylisothiazolinone

Skin, Guinea pig:

CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

Toxicological data are not available.

Specific target organ toxicity

Toxicological data are not available.

Aspiration hazard

Toxicological data are not available.

Practical experience/human evidence

Other observations:

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: headache, dizziness, fatigue, amyosthenia, drowsiness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

Overall Assessment on CMR properties

The ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

SECTION 12: Ecological information

overall evaluation

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

There is no information available on the preparation itself .

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12.1. Toxicity

2-butoxyethanol

Fish toxicity, LC50, Lepomis macrochirus (Bluegill): > 100 mg/l (96 h)
Daphnia toxicity, EC50, Daphnia magna (Big water flea): 1550 mg/l (48 h)

Method: OECD 202

Algae toxicity, ErC50, Desmodesmus subspicatus: > 100 mg/l

Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): 1474 mg/l (96 h)

Algae, EC50, Pseudokirchneriella subcapitata: 1840 mg/l (72 h)

Method: OECD 201

Bacteria toxicity, EC0, Pseudomonas putida: 700 mg/l (16 h)

ethoxylated fatty alcohol

Daphnia toxicity, EC50: 10 - 100 mg/l (48 h)

Methylisothiazolinone

Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): 4,77 mg/l (96 h)

Daphnia toxicity, EC50, Daphnia magna (Big water flea): 0,87 mg/l 0 - 1,9 mg/l (48 h)

Algae toxicity, ErC50, Selenastrum capricornutum: 0,158 mg/l (72 h)

Daphnia toxicity, NOEC, Daphnia magna (Big water flea): 0,04 mg/l (21 D)

Method: OECD 211

Long-term Ecotoxicity

2-butoxyethanol

Fish toxicity, NOEL(C):, Brachydanio rerio (zebra-fish): > 100 mg/l (21 D)

Daphnia toxicity, NOEL(C):, Daphnia magna (Big water flea): 100 mg/l (21 D)

Method: OECD 211

12.2. Persistence and degradability

2-butoxyethanol

Activated sludge, Aerobic biological treatment: 90 % (28 D); evaluation Readily biodegradable (according to OECD criteria).

Method: OECD 301E/ EEC 92/69/V, C.4-B

ethoxylated fatty alcohol

: > 60 % (28 D)

Method: OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C

12.3. Bioaccumulative potential

2-butoxyethanol

Partition coefficient: n-octanol/water: 0,81 ; evaluation Low

Method: OECD 107

Bioaccumulation; Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.

Bioconcentration factor (BCF)

Toxicological data are not available.

12.4. Mobility in soil

Toxicological data are not 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. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Appropriate disposal / Product Recommendation

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

List of proposed waste codes/waste designations in accordance with EWC

200129 Detergents containing hazardous substances

packaging

Recommendation

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

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SECTION 14: Transport information

- 14.1. **UN number** not applicable
- 14.2. **UN proper shipping name**
- 14.3. **Transport hazard class(es)** not applicable
- 14.4. **Packing group** not applicable
- 14.5. **Environmental hazards**
Land transport (ADR/RID) not applicable
Marine pollutant not applicable
- 14.6. **Special precautions for user**
Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.
Advices on safe handling: see parts 6 - 8
- Further information**
- Land transport (ADR/RID)**
tunnel restriction code -
- Sea transport (IMDG)**
EmS-No. not applicable
- Air transport (ICAO-TI / IATA-DGR)**
- Further information:**
Not sustaining combustion: 0
- 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**
- EU legislation**
Regulation (EC) No. 648/2004 (Detergents regulation)
Directive 2010/75/EU on industrial emissions
VOC-value (in g/L): 48
- National regulations**
- Restrictions of occupation**
Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.
Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).
Other information
Acid-/Alkali reserve (buffer capacity for mixtures with extreme pH values)
- 15.2. **Chemical Safety Assessment**
For the following substances of this preparation a chemical safety assessment has been carried out:
- | EC No.
CAS No. | Chemical name | REACH No. |
|-------------------------|---|-----------------------|
| 203-905-0
111-76-2 | 2-butoxyethanol | 01-2119475108-36 |
| 287-809-4
85586-07-8 | Sulfuric acid, mono-C12-14-alkyl esters, sodium salts | 01-2119489463-28-0007 |

SECTION 16: Other information

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Full text of classification in section 3:

Acute Tox. 4 / H302	Acute toxicity (oral)	Harmful if swallowed.
Eye Dam. 1 / H318	Serious eye damage/eye irritation	Causes serious eye damage.
Acute Tox. 4 / H332	Acute toxicity (inhalative)	Harmful if inhaled.
Acute Tox. 4 / H312	Acute toxicity (dermal)	Harmful in contact with skin.
Eye Irrit. 2 / H319	Serious eye damage/eye irritation	Causes serious eye irritation.
Skin Irrit. 2 / H315	skin corrosion/irritation	Causes skin irritation.
Aquatic Chronic 3 / H412	Hazardous to the aquatic environment	Harmful to aquatic life with long lasting effects.

Further information

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

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.