

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



Article No.: 203200026
Print date: 23.05.2018
Version: 8-0

BLUE WONDER All-purpose FLOOR cleaner
Revision date: 18.05.2018
Issue date: 18.05.2018

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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): 203200026
Identification of the substance or mixture: BLUE WONDER All-purpose FLOOR cleaner
Concentrate
EAN8712038001929

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 20 °C and 20 °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: | 8,3 |
| 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: | not determined |
| Upper explosion limit: | not determined |
| Vapour pressure at20 °C: | not determined |
| 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: | not determined |
| 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 (%): | 6,04 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

SECTION 11: Toxicological information

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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), LCO: > 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

Benzylisothiazolinone

oral, LD50, Rat: 1193 mg/kg
dermal, LD50, Rat: 4115 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

Benzylisothiazolinone Skin (4 h)

Methylisothiazolinone Skin, Rabbit (4 h)

Respiratory or skin sensitisation

Benzylisothiazolinone Skin:

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.

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SECTION 12: Ecological information

overall evaluation

Classification according to Regulation (EC) No 1272/2008 [CLP]
There is no information available on the preparation itself .
Do not allow to enter into surface water or drains.

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)

Benzylisothiazolinone

Fish toxicity, LC50, *Oncorhynchus mykiss* (Rainbow trout): 2,18 mg/l (96 h)
Method: OECD 203
Daphnia toxicity, EC50, *Daphnia magna* (Big water flea): 2,94 mg/l (48 h)
Method: OECD 202
Algae toxicity, ErC50, *Pseudokirchneriella subcapitata*: 0,11 mg/l (72 h)
Method: OECD 201

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

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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.

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): 49

National regulations

Restrictions of occupation

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

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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

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.