

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Trade name : BICCS VERDUNNING 0115 (9115)
Revision date : 11-12-2021
Print date : 20-10-2023

Version (Revision) : 2.1.0 (2.0.0)

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

1.1 Product identifier

BICCS VERDUNNING 0115 (9115)
2-BUTOXYETHYL ACETATE ; CAS No. : 112-07-2 ; EC No. : 203-933-3 ; INDEX No. : 607-038-00-2 ; REACH No. : 01-2119476112-47

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

Paint/paint-related material for industrial/professional use (see technical documentation).

1.3 Details of the supplier of the safety data sheet

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

PearlPaint Group

Street : Larserpoortweg 20

Postal code/city : 8218 NK Lelystad

Telephone : +31 (0)32 0285353

Information contact : msds@pearlpaint.nl

1.4 Emergency telephone number

+31 (0)32 0285353 (Office hours 08:00 - 16:30 GMT +1) Outside office hours: call a Poison Center or doctor/physician.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

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

Acute Tox. 4 ; H302 - Acute toxicity (oral) : Category 4 ; Harmful if swallowed.

Acute Tox. 4 ; H312 - Acute toxicity (dermal) : Category 4 ; Harmful in contact with skin.

Acute Tox. 4 ; H332 - Acute toxicity (inhalative) : Category 4 ; Harmful if inhaled.

Classification procedure

Calculation method.

2.2 Label elements

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

Hazard pictograms



Exclamation mark (GHS07)

Signal word

Warning

Hazard statements

H302+H312+H332 Harmful if swallowed, in contact with skin or if inhaled.

Precautionary statements

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash ... thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P310 Immediately call a doctor.
P321 Specific treatment (see instructions on this label).

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P330 Rinse mouth.

2.3 Other hazards
None

SECTION 3: Composition/information on ingredients

3.1 Substances

Substance name : 2-BUTOXYETHYL ACETATE
INDEX No. : 607-038-00-2
EC No. : 203-933-3
REACH No. : 01-2119476112-47
CAS No. : 112-07-2
Purity : 100 % [mass]

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or a person with cramps.

Following inhalation

Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. If unconscious place in recovery position and seek medical advice.

In case of skin contact

Change contaminated, saturated clothing. After contact with skin, wash immediately with plenty of water and soap. Clean with detergents. Avoid solvent cleaners.

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

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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

alcohol resistant foam Carbon dioxide (CO2) Extinguishing powder Sand Water mist

Unsuitable extinguishing media

Strong water jet

5.2 Special hazards arising from the substance or mixture

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.

5.3 Advice for firefighters

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Special protective equipment for firefighters

Cool endangered containers with water in case of fire. Do not allow run-off from fire-fighting to enter drains or water courses. Use suitable breathing apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Protective equipment

Use personal protection equipment. Provide adequate ventilation. Remove all sources of ignition.

6.2 Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3 Methods and material for containment and cleaning up

Prevent spread over a wide area (e.g. by containment or oil barriers). Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Clean with detergents. Avoid solvent cleaners.

6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Vapours can travel considerable distances to a source of ignition where they can ignite, flash back, or explode. Heating causes rise in pressure with risk of bursting. Provide earthing of containers, equipment, pumps and ventilation facilities. Avoid contact with skin and eyes. Inhalation of dust/particles Generation/formation of mist When using do not eat, drink, smoke, sniff.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Never use pressure to empty; container is not a pressure vessel. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Protect containers against damage. Keep only in the original container in a cool, well-ventilated place. Do not allow to enter into surface water or drains.

Requirements for storage rooms and vessels

Keep away from oxidizing agents, from strongly alkaline and strongly acid materials. Remove all sources of ignition.

Further information on storage conditions

Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight. Only use containers specifically approved for the substance/product.

7.3 Specific end use(s)

None

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limit values

2-BUTOXYETHYL ACETATE ; CAS No. : 112-07-2

Limit value type (country of origin) : STEL (EC)

Limit value : 50 ppm / 333 mg/m³

Remark : H

Version : 08-06-2000

Limit value type (country of origin) : TWA (EC)

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Limit value : 20 ppm / 133 mg/m³
Remark : H
Version : 08-06-2000

8.2 Exposure controls

Appropriate engineering controls

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Personal protection equipment

Eye/face protection

Eye glasses with side protection

Skin protection

Hand protection

Solvent-resistant protective gloves must be worn.

Suitable gloves type : Disposable gloves.

Suitable material : NR (natural rubber, natural latex)

Required properties : liquid-tight.

Breakthrough time (maximum wearing time) : > 60 min

Thickness of the glove material : > 0,5 mm

Recommended glove articles : EN ISO 374

Respiratory protection

Respiratory protection necessary at: exceeding exposure limit values By spraying: air fed respirator. By other operations than spraying: in well ventilated areas, airfed respirators could be replaced by a combination of charcoal filter and particulate filter mask.

General information

Full-face mask or mouthpiece with particulate filter: maximum use concentration for substances with exposure limits: P1 filter: up to a max. of 4 times the exposure limit. P2 filter: up to a max. of 15 times the exposure limit. P3 filter: up to a max. of

8.3 Additional information

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit) , suitable respiratory protection must be worn.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : Liquid

Colour : transparent

Odour : solvent

Safety characteristics

| | | |
|--|--------------|------------------------|
| Solidifying point : | (1013 hPa) | No data available |
| Melting point/freezing point : | (1013 hPa) | No data available |
| Freezing point : | | No data available |
| Initial boiling point and boiling range : | (1013 hPa) | No data available |
| Decomposition temperature : | (1013 hPa) | No data available |
| Flash point : | | 74 °C |
| Auto-ignition temperature : | | No data available |
| Lower explosion limit : | | 1,7 Vol-% |
| Density : | (20 °C) | 0,94 g/cm ³ |
| Solvent separation test : | (20 °C) | < 3 % |
| Water solubility : | (20 °C) | practically insoluble |

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| | | |
|-------------------------------|--------------------|-------------------|
| pH : | | not applicable |
| Viscosity : | (20 °C) | 100 mPa*s |
| Solid content : | | 0 Wt % |
| Solvent content : | | 100 Wt % |
| Odour threshold : | | No data available |
| Evaporation rate : | | No data available |
| Vapourisation rate : | | No data available |
| VOC-value : | | 940 g/l |
| Explosive properties : | No data available. | |

9.2 Other information

None

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

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.5 Incompatible materials

Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.6 Hazardous decomposition products

When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

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 |
| Exposure route : | Oral |
| Species : | Rat |
| Effective dose : | 2400 mg/kg |
| Parameter : | LD50 |
| Exposure route : | Oral |
| Species : | Mouse |
| Effective dose : | 3200 mg/kg |
| Parameter : | LD50 (2-BUTOXYETHYL ACETATE ; CAS No. : 112-07-2) |
| Exposure route : | Oral |
| Species : | Rat |
| Effective dose : | 2400 mg/kg |
| Parameter : | LD50 (2-BUTOXYETHYL ACETATE ; CAS No. : 112-07-2) |
| Exposure route : | Oral |
| Species : | Mouse |
| Effective dose : | 3200 mg/kg |

Acute dermal toxicity

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Parameter : LD50
Exposure route : Dermal
Species : Rat
Effective dose : 1580 mg/kg
Parameter : LD50 (2-BUTOXYETHYL ACETATE ; CAS No. : 112-07-2)
Exposure route : Dermal
Species : Rat
Effective dose : 1580 mg/kg

11.2 Information on other hazards

No information available.

SECTION 12: Ecological information

12.1 Toxicity

No information available.

12.2 Persistence and degradability

No information available.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6 Endocrine disrupting properties

No information available.

12.7 Other adverse effects

No information available.

12.8 Additional ecotoxicological information

Product may not be released into water without pre-treatment (biological sewage plant).

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Contaminated packages must be completely emptied and can be re-used following proper cleaning. Packing which cannot be properly cleaned must be disposed of. Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

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

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No dangerous good in sense of these transport regulations.

14.6 Special precautions for user

Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage

SECTION 15: Regulatory information

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

EU legislation

Authorisations and/or restrictions on use

Restrictions on use

Use restriction according to REACH annex XVII, no. : 3

Other regulations (EU)

Directive 2004/42/EC on the limitation of emissions of volatile organic compounds

This product meets the requirements of Regulation (EC) No. 1935/2004 on the limitation of VOC content.

15.2 Chemical safety assessment

No information available.

SECTION 16: Other information

16.1 Indication of changes

None

16.2 Abbreviations and acronyms

ADR = European Agreement concerning the International Carriage of Dangerous Goods by Road

ASTM = American Society of Testing and Materials (US)

CAS No = Chemical Abstracts Service Number (see ACS - American Chemical Society)

DNEL = Derived No-Effect Level

DT50 = Time for 50% loss; half-life

EbC50 = Median effective concentration (biomass, e.g. of algae)

EC50 = Median effective concentration

EINECS = European Inventory of Existing Commercial Chemical Substances

ELINCS = European List of Notified (New) Chemicals (see Tab 7, Background - Guide)

ErC50 = Median effective concentration (growth rate, e.g. of algae)

EWC = European Waste Catalogue

IATA = International Air Transport Association

IC50 = Concentration that produces 50% inhibition

IMDG = International Maritime Dangerous Goods Code

IMO = International Maritime Organization

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

MRL = Maximum Residue Limit

NOAEL = No Observed Adverse Effect Level

NOEC = No observed effect concentration

NOEL = No Observable Effect Level

OEL = Occupational Exposure Limits

PBT = Persistent, Bioaccumulative or Toxic

PNEC = Predictable Non Effect Concentration

STEL = Short-Term Exposure Limit

TWA = Time-Weighted Average

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vPvB = Very Persistent and Very Bioaccumulative

16.3 Key literature references and sources for data

None

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

| | |
|------|-------------------------------|
| H302 | Harmful if swallowed. |
| H312 | Harmful in contact with skin. |
| H332 | Harmful if inhaled. |

16.5 Training advice

None

16.6 Additional information

None

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.
