# Safety Data Sheet (Regulation (EC) n. 1907/2006 (REACH))
# BLEUPR2 - BLEUPR2

**Master item code: BLEU PR2**

**Safety Data Sheet date: 6/3/2024, version 1**

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

### 1.1. Product identifier

Trade name: BLEUPR2
SDS code: BLEUPR2
UFI: DYCM-906K-Y00N-KR9X

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

Recommended use:
Penetrant testing

### 1.3. Details of the supplier of the safety data sheet

**Manufacturers:**
BABBCO
15, rue des Frères Lumière Z.I. des EBISOIRES 78370 PLAISIR (France)
Tel: +33 (0)1.30.80.81.82
www.babbco.fr
**Distributors:**
BABBCO
SHERWIN-BABBCO
Tel: +33 (0)1.30.80.81.82
www.babbco.fr
**Competent person responsible for the safety data sheet:**
e-mail: regulatoryservice@babbco.fr

### 1.4. Emergency telephone number

France : ORFILA (INRS) +33 (0)1 45 42 59 59
International : CHEMTEL +1-813-248-0585.

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**EC regulation criteria 1272/2008 (CLP)**

Danger, Eye Dam. 1, Causes serious eye damage.

Danger, STOT RE 1, Causes damage to organs through prolonged or repeated exposure.

Aquatic Chronic 3, Harmful to aquatic life with long lasting effects.

EUH066 Repeated exposure may cause skin dryness or cracking.

Adverse physicochemical, human health and environmental effects:
No other hazards

### 2.2. Label elements

Hazard pictograms:

Danger

Hazard statements:

H318 Causes serious eye damage.
H372 Causes damage to organs through prolonged or repeated exposure.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P264 Wash ... Thoroughly after handling.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor/...
P314 Get medical advice/attention if you feel unwell.
P501 Dispose of contents/container in accordance with applicable regulations.

Special Provisions:

EUH066 Repeated exposure may cause skin dryness or cracking.

Contains

Alcools secondaires éthoxylés (4)

Special provisions according to Annex XVII of REACH and subsequent amendments:

None

### 2.3. Other hazards

No PBT, vPvB or endocrine disruptor substances present in concentration >= 0.1%

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

N.A.

### 3.2. Mixtures

Hazardous components within the meaning of the CLP regulation and related classification:

| Qty | Name | Ident. Number | Classification |
|---|---|---|---|
| >= 60% - < 70% | Naphtha (petroleum), hydrodesulfurized heavy | CAS: 64742-82-1<br>EC: 919-164-8 | 3.10/1 Asp. Tox. 1 H304<br>3.9/1 STOT RE 1 H372<br>4.1/C3 Aquatic Chronic 3 H412 |
| >= 10% - < 12.5% | Silicon dioxide | CAS: 7631-86-9<br>EC: 231-545-4<br>REACH No.: 01-21193794 99-16 | Substance with a Union workplace exposure limit. |
| >= 5% - < 7% | Alcools secondaires éthoxylés (4) | CAS: 68131-40-8 | 3.1/4/Oral Acute Tox. 4 H302<br>3.3/1 Eye Dam. 1 H318 |
| >= 0.5% - < 1% | naphthalene | Index number: 601-052-00-2<br>CAS: 91-20-3<br>EC: 202-049-5 | 3.6/2 Carc. 2 H351<br>4.1/A1 Aquatic Acute 1 H400<br>4.1/C1 Aquatic Chronic 1 H410<br>3.1/4/Oral Acute Tox. 4 H302 |

Substances in nanoform:

>= 10% - < 12.5% Silicon dioxide

REACH No.: 01-2119379499-16, CAS: 7631-86-9, EC: 231-545-4

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

In case of skin contact:

Immediately take off all contaminated clothing.
Areas of the body that have - or are only even suspected of having - come into contact with the product must be rinsed immediately with plenty of running water and possibly with soap.
OBTAIN IMMEDIATE MEDICAL ATTENTION.
Wash thoroughly the body (shower or bath).
Remove contaminated clothing immediately and dispose of safely.

In case of eyes contact:

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an opthalmologist immediately.
Protect uninjured eye.

In case of Ingestion:

Do not induce vomiting. Obtain a medical examination.

In case of Inhalation:

Remove casualty to fresh air and keep warm and at rest.

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

None

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

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
Treatment:
No particular treatment.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media:
Foam.
Multipurpose powders class ABC
Water haze
Extinguishing media which must not be used for safety reasons:
Spray water

### 5.2. Special hazards arising from the substance or mixture

Carbon monoxide and carbon dioxide

### 5.3. Advice for firefighters

Use Self-Contained Breathing Apparatus (SCBA) with chemical protection suit.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment.
Remove persons to safety.
See protective measures under point 7 and 8.

### 6.2. Environmental precautions

Do not allow to enter into soil/subsoil. 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

For containment:
Suitable material for taking up: commercially available inorganic/non combustible absorbent material and sand

### 6.4. Reference to other sections

See also section 8 and 13

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.
Don't use empty container before they have been cleaned.
Before making transfer operations, ensure that there aren't any incompatible material residuals in the containers.
See also section 8 for recommended protective equipment.
Advice on general occupational hygiene:
Wash hands after use
Contamined clothing should be changed before entering eating areas.
Do not eat or drink while working.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, drink and feed.
Incompatible materials:
None in particular.
Instructions as regards storage premises:
Adequately ventilated premises.

### 7.3. Specific end use(s)

None in particular

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Occupational exposure limit values

Silicon dioxide - CAS: 7631-86-9
- OEL Type: National - TWA(8h): 10 mg/m3 - Notes: Spain
- OEL Type: EU - TWA: 0.1 mg/m3 - Notes: 2004/37/EC ; respirable dust

naphthalene - CAS: 91-20-3
- OEL Type: National - TWA(8h): 50 mg/m3, 10 ppm - Notes: INRS, France
- OEL Type: EU - TWA(8h): 50 mg/m3, 10 ppm
- OEL Type: ACGIH - TWA(8h): 10 ppm - Notes: Skin, A3 - URT irr, cataracts, hemolytic anemia
- OEL Type: National - TWA: 50 mg/m3, 10 ppm - Notes: Ireland OELs

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

Biological Exposure Index

N.A.

### 8.2. Exposure controls

See below, example of PPE to use.

Eye protection:
Eye glasses with side protection.
Protection for skin:
Chemical protection clothing.
Protection for hands:
NBR (nitrile rubber).
Respiratory protection:
Mask with filter "A" , brown colour
Mask with filter "P", white colour
Thermal Hazards:

None
Environmental exposure controls:
None
Appropriate engineering controls:
None
Other conditions affecting workers exposure:
None

## SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| Properties | Value | Method: | Notes |
|---|---|---|---|
| Physical state: | Gel | -- | -- |
| Colour: | Blue | -- | -- |
| Odour: | N.A. | -- | -- |
| Melting point/freezing point: | N.A. | -- | -- |
| Boiling point or initial boiling point and boiling range: | >186°C | -- | -- |
| Flammability: | N.A. | -- | -- |
| Lower and upper explosion limit: | Lower: 0.7 Vol% Upper: 6.5 Vol% | -- | -- |
| Flash point (°C): | >61°C | -- | -- |
| Auto-ignition temperature: | 281°C | -- | -- |
| Decomposition temperature: | N.A. | -- | -- |
| pH: | N.A. | -- | -- |
| Kinematic viscosity: | N.A. | -- | -- |
| Solubility in water: | N.A. | -- | -- |
| Solubility in oil: | N.A. | -- | -- |
| Partition coefficient n-octanol/water (log value): | N.A. | -- | -- |
| Vapour pressure: | 0.5 hPa | -- | -- |
| Density and/or relative density: | 0.83 g/cm³ | -- | -- |
| Relative vapour density: | N.A. | -- | -- |
| Particle characteristics: | | | |
| Particle size: | N.A. | -- | -- |

9.2. Other information

No other relevant information

Volatile Organic compounds - VOCs = 58.99 %

N.A. = not available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions

### 10.2. Chemical stability

Stable under normal conditions

### 10.3. Possibility of hazardous reactions

None

### 10.4. Conditions to avoid

Stable under normal conditions.

### 10.5. Incompatible materials

None in particular.

### 10.6. Hazardous decomposition products

None.

## SECTION 11: Toxicological information

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

Toxicological information of the product:

BLEUPR2

Acute toxicity

Not classified

Based on available data, the classification criteria are not met

ATEmix - Oral 8652,76 mg/kg bw

Skin corrosion/irritation

Not classified

Based on available data, the classification criteria are not met

Serious eye damage/irritation

The product is classified: Eye Dam. 1 H318

Respiratory or skin sensitisation

Not classified

Based on available data, the classification criteria are not met

Germ cell mutagenicity

Not classified

Based on available data, the classification criteria are not met

Carcinogenicity

Not classified

Based on available data, the classification criteria are not met

Reproductive toxicity

Not classified

Based on available data, the classification criteria are not met

STOT-single exposure

Not classified

Based on available data, the classification criteria are not met

STOT-repeated exposure

The product is classified: STOT RE 1 H372

Aspiration hazard

Not classified

Based on available data, the classification criteria are not met

Adverse health effects

Skin and Eye contact:

It can cause irritation if comes in contcat with skin and/or eyes.

Toxicological information of the main substances found in the product:

Silicon dioxide - CAS: 7631-86-9

Acute toxicity

ATE - Oral 5001 mg/kg bw

Test: LD50 - Route: Oral > 5000 mg/kg

Test: LD50 - Route: Skin > 5000 mg/kg

Test: LC50 - Route: Inhalation (dust, mist) - Species: Rat (Male, female) > 5.01 mg/l - Duration: 4h

naphthalene - CAS: 91-20-3

Acute toxicity:

Test: LD50 - Route: Skin - Species: Rat > 2500 mg/kg

Test: LC50 - Route: Inhalation - Species: Rat > 0.4 mg/l - Duration: 4h

Test: LD50 - Route: Oral - Species: Mouse = 533 mg/kg

### 11.2. Information on other hazards

Endocrine disrupting properties:
No endocrine disruptor substances present in concentration >= 0.1%

Other toxicological information:
None.

## SECTION 12: Ecological information

### 12.1. Toxicity

Adopt good working practices, so that the product is not released into the environment.
BLEUPR2
The product is classified: Aquatic Chronic 3 - H412
Silicon dioxide - CAS: 7631-86-9
a) Aquatic acute toxicity:
Endpoint: EC50 - Species: Fish > 10000 mg/l - Duration h: 96 - Notes: Brachydanio rerio
Endpoint: EC50 - Species: Aquatic invertebrates > 1000 mg/l - Duration h: 24 - Notes: Daphnia magna
Endpoint: EC50 - Species: Aquatic plants > 173 mg/l - Duration h: 72 - Notes: Desmodesmus subspicatus ; OECD 201
Endpoint: EC50 - Species: Microorganisms > 2500 mg/l - Duration h: 3 - Notes: OECD 209 ; domestic activated sludge
naphthalene - CAS: 91-20-3
a) Aquatic acute toxicity:
Endpoint: EL50
- Species: Daphnia > 3 mg/l - Duration h: 48
Endpoint: LL50
- Species: Fish > 2 mg/l - Duration h: 96 - Notes: Oncorhynchus mykiss
Endpoint: EL50
- Species: Algae = 11 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata
Endpoint: DSEO-R (NOELR) - Species: Algae = 2.5 mg/l - Duration h: 72 - Notes: Pseudokirchneriella subcapitata

### 12.2. Persistence and degradability

naphthalene - CAS: 91-20-3
Biodegradability: Biodegradability rate - Duration: 28 days - %: 50

### 12.3. Bioaccumulative potential

N.A.

### 12.4. Mobility in soil

N.A.

### 12.5. Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None

### 12.6. Endocrine disrupting properties

No endocrine disruptor substances present in concentration >= 0.1%

### 12.7. Other adverse effects

No harmful effects expected.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Recover, if possible. Send to authorised disposal plants or for incineration under controlled conditions. In so doing, comply with the local and national regulations currently in force.
Codes of wastes (Décision 2001/573/EC, Directive 2006/12/EEC, Directive 94/31/EEC on hazardous waste):
07 07 04* other organic solvents, washing liquids and mother liquors

Additional disposal information:

Disposal should be in accordance with applicable regional, national and local laws and regulations. Please consult Technical Data Sheet for details.

## SECTION 14: Transport information

**14.1. UN number or ID number**

**14.2. UN proper shipping name**

ADR-Shipping Name: *ENTER PROPER SHIPPING NAME*
IATA-Shipping Name: *ENTER PROPER SHIPPING NAME*
IMDG-Shipping Name: *ENTER PROPER SHIPPING NAME*

**14.3. Transport hazard class(es)**

**14.4. Packing group**

**14.5. Environmental hazards**

**14.6. Special precautions for user**

**14.7. Maritime transport in bulk according to IMO instruments**

N.A.

## SECTION 15: Regulatory information

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

Dir. 98/24/EC (Risks related to chemical agents at work)
Dir. 2000/39/EC (Occupational exposure limit values)
Regulation (EC) n. 1907/2006 (REACH)
Regulation (EC) n. 1272/2008 (CLP)
Regulation (EC) n. 790/2009 (ATP 1 CLP) and (EU) n. 758/2013
Regulation (EU) n. 286/2011 (ATP 2 CLP)
Regulation (EU) n. 618/2012 (ATP 3 CLP)
Regulation (EU) n. 487/2013 (ATP 4 CLP)
Regulation (EU) n. 944/2013 (ATP 5 CLP)
Regulation (EU) n. 605/2014 (ATP 6 CLP)
Regulation (EU) n. 2015/1221 (ATP 7 CLP)
Regulation (EU) n. 2016/918 (ATP 8 CLP)
Regulation (EU) n. 2016/1179 (ATP 9 CLP)
Regulation (EU) n. 2017/776 (ATP 10 CLP)
Regulation (EU) n. 2018/669 (ATP 11 CLP)
Regulation (EU) n. 2018/1480 (ATP 13 CLP)
Regulation (EU) n. 2019/521 (ATP 12 CLP)
Regulation (EU) n. 2020/217 (ATP 14 CLP)
Regulation (EU) n. 2020/1182 (ATP 15 CLP)
Regulation (EU) n. 2021/643 (ATP 16 CLP)
Regulation (EU) n. 2021/849 (ATP 17 CLP)
Regulation (EU) n. 2022/692 (ATP 18 CLP)

Restrictions related to the product or the substances contained according to Annex XVII Regulation (EC) 1907/2006 (REACH) and subsequent modifications:

Restrictions related to the product:
Restriction 3
Restrictions related to the substances contained:
Restriction 75

Listed or in compliance with the following international inventories:

Labelling of detergents (EC Regulations 648/2004 and 907/2006):
N.A.

Labelling of biocides (Regulations 1896/2000, 1687/2002, 2032/2003, 1048/2005, 1849/2006, 1451/2007 and Directive 98/8/EC):
N.A.

N.A.

Where applicable, refer to the following regulatory provisions :
Directive 2003/105/CE ('Activities linked to risks of serious accidents') and subsequent amendments.
1999/13/EC (VOC directive)
Dir. 2004/42/EC (VOC directive)

Provisions related to directive EU 2012/18 (Seveso III):
Seveso III category according to Annex 1, part 1
None

### 15.2. Chemical safety assessment
No

## SECTION 16: Other information
N.A.: Not Applicable or Not Available

Full text of phrases referred to in Section 3:
H304 May be fatal if swallowed and enters airways.
H372 Causes damage to organs through prolonged or repeated exposure.
H412 Harmful to aquatic life with long lasting effects.
H302 Harmful if swallowed.
H318 Causes serious eye damage.
H351 Suspected of causing cancer.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

| Hazard class and hazard category | Code | Description |
|---|---|---|
| Acute Tox. 4 | 3.1/4/Oral | Acute toxicity (oral), Category 4 |
| Asp. Tox. 1 | 3.10/1 | Aspiration hazard, Category 1 |
| Eye Dam. 1 | 3.3/1 | Serious eye damage, Category 1 |
| Carc. 2 | 3.6/2 | Carcinogenicity, Category 2 |
| STOT RE 1 | 3.9/1 | Specific target organ toxicity - repeated exposure, Category 1 |
| Aquatic Acute 1 | 4.1/A1 | Acute aquatic hazard, category 1 |
| Aquatic Chronic 1 | 4.1/C1 | Chronic (long term) aquatic hazard, category 1 |
| Aquatic Chronic 3 | 4.1/C3 | Chronic (long term) aquatic hazard, category 3 |

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

| Classification according to Regulation (EC) Nr. | Classification procedure |
|---|---|

| 1272/2008 | |
|---|---|
| Eye Dam. 1, H318 | Calculation method |
| STOT RE 1, H372 | Calculation method |
| Aquatic Chronic 3, H412 | Calculation method |

This document was prepared by a competent person who has received appropriate training.
Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities
SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold
CCNL - Appendix 1
Insert further consulted bibliography

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SOCOMORE strongly advises every recipient of this safety data sheet to read it carefully and to consult experts in the field if necessary or appropriate, in order to understand the information it contains, notably the possible dangers associated with this product. The users must ensure the conformity and completeness of this information with regards to their specific use of the product.
The information contained herein is based on our state of knowledge at the above-specified date. It refers solely to the product indicated and constitutes no guarantee of particular quality. It is the responsibility of the purchaser/user to ensure that their activities conform with current legislation in force.

The information is considered correct, but it is not exhaustive and it shall be used only as a guide which is based on the current knowledge of the substance or mixture and it is applicable to the safety precautions appropriate for the product.

| | |
|---|---|
| ADR: | European Agreement concerning the International Carriage of Dangerous Goods by Road. |
| ATE: | Acute Toxicity Estimate |
| ATEmix: | Acute toxicity Estimate (Mixtures) |
| CAS: | Chemical Abstracts Service (division of the American Chemical Society). |
| CLP: | Classification, Labeling, Packaging. |
| DNEL: | Derived No Effect Level. |
| EINECS: | European Inventory of Existing Commercial Chemical Substances. |
| GefStoffVO: | Ordinance on Hazardous Substances, Germany. |
| GHS: | Globally Harmonized System of Classification and Labeling of Chemicals. |
| IATA: | International Air Transport Association. |
| IATA-DGR: | Dangerous Goods Regulation by the "International Air Transport Association" (IATA). |
| ICAO: | International Civil Aviation Organization. |
| ICAO-TI: | Technical Instructions by the "International Civil Aviation Organization" (ICAO). |
| IMDG: | International Maritime Code for Dangerous Goods. |
| INCI: | International Nomenclature of Cosmetic Ingredients. |
| KSt: | Explosion coefficient. |
| LC50: | Lethal concentration, for 50 percent of test population. |
| LD50: | Lethal dose, for 50 percent of test population. |
| LTE: | Long-term exposure. |

| | |
|---|---|
| PNEC: | Predicted No Effect Concentration. |
| RID: | Regulation Concerning the International Transport of Dangerous Goods by Rail. |
| STE: | Short-term exposure. |
| STEL: | Short Term Exposure limit. |
| STOT: | Specific Target Organ Toxicity. |
| STOT SE: | May cause drowsiness or dizziness |
| TLV: | Threshold Limiting Value. |
| TWA: | Time-weighted average |
| TWATLV: | Threshold Limit Value for the Time Weighted Average 8 hour day. (ACGIH Standard). |
| WGK: | German Water Hazard Class. |