

**SAFETY DATA SHEET 40-16**

# **COLORANTE BLU 2028**

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## **1 IDENTIFICATION OF THE MIXTURE AND THE COMPANY**

### **1.1 Product identifier**

Product name COLORANTE BLU 2028

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

Description/Application COLORANT

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

Name: BERICALCE di De Toni Michael  
Full address: Via O. da Pordenone n.18 - 36100 Vicenza - Italia  
Phone: +39 0444 929102 +39 0444 923317  
Fax: +39 0444 929102  
E-mail address of the competent person responsible to the Safety Data Sheet: info@bericalce.it

### **1.4 Emergency telephone number**

For urgent inquiries refer to SANITARY EMERGENCY

## **2. HAZARD IDENTIFICATION**

### **2.1 Classification of the substance or mixture**

EC regulation criteria 1272/2008 (CLP)  
The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).  
Adverse physicochemical, human health and environmental effects: No other hazards

### **2.2 Label elements**

Danger labeling: -  
Warnings: -  
Hazard indication -  
Safety advice: -  
Special Provisions:  
EUH210 Safety data sheet available on request.  
EUH208 Contains 2-octyl-2H-isothiazol-3-one and 1,2-benzisothiazol-3(2H)-one.  
May produce an allergic reaction

### **2.3 Other dangers**

vPvB Substances: None - PBT Substances: None

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## 3 COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 Substance

Not applicable

### 3.2 Mixtures

Componenti pericolosi ai sensi del Regolamento CLP e relativa classificazione.

Contiene:

Identification	Conc. %.	Classification 1272/2008 (CLP).
<u>Polymeric reaction products of fatty acids and alkyloxidealcohols with polyalkylamine and alkyl acid</u>		
	5% ≤ x < 7%	3.2/2 Skin Irrit. 2 H315 4.1/C3 Aquatic Chronic 3 H412
<u>Tristirilfenolo ethoxylate</u>		
CAS: 99734-09-5	1% ≤ x < 3%	4.1 / C3 Aquatic Chronic 3 H412
EC: 935-429-0		
<u>Esters of phosphoric acid of polyaryl phenols, ethoxylates, salt</u>		
	1% ≤ x < 3%	3.2 / 2 Skin Irrit. 2 H315 3.3 / 2 Eye Irrit. 2 H319
<u>2-octyl-2H-isothiazol-3-one</u>		
Index number:	0,01% ≤ x < 0,05%	3.1/3/Inhal Acute Tox. 3 H331 3.2/1B Skin Corr. 1B H314 3.3/1 Eye Dam. 1 H318 3.4.2/1A Skin Sens. 1A H317 4.1/A1 Aquatic Acute 1 H400 M=10. 4.1/C1 Aquatic Chronic 1 H410 M=1. 3.1/3/Dermal Acute Tox. 3 H311 3.1/4/Oral Acute Tox. 4 H302
613-112-00-5		
CAS: 26530-20-1		
EC: 247-761-7		
<u>1,2-benzisothiazol-3(2H)-one</u>		
Index number:	0,005% ≤ x < 0,01%	3.1/2/Inhal Acute Tox. 2 H330 3.2/2 Skin Irrit. 2 H315 3.3/1 Eye Dam. 1 H318 3.4.2/1-1A-1B Skin Sens. 1,1A,1B H317 3.1/4/Oral Acute Tox. 4 H302 4.1/A1 Aquatic Acute 1 H400 M=1. 4.1/C2 Aquatic Chronic 2 H411 M=1.
613-088-00-6		
CAS: 2634-33-5		
EC: 220-120-9		

## 4 FIRST AID MEASURES

### 4.1 Description of first aid measures

EYES: Wash immediately and abundantly with water for at least 15 minutes, opening well eyelids.

Consult a doctor.

SKIN: Wash with plenty of water and soap.

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

INGESTION: Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY

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

For symptoms and effects caused by the contained substances, see chap. 11.

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

Follow doctor's instructions.

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## 5 FIREFIGHTING MEASURES

### 5.1 Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

Water. Carbon dioxide (CO<sub>2</sub>).

UNSUITABLE EXTINGUISHING EQUIPMENT

Nothing in particular.

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

Do not inhale explosion and combustion gases. Burning produces heavy smoke.

### 5.3 Advice for firefighters

Use suitable breathing apparatus .

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

## 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.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Suitable material for taking up: absorbing material, organic, sand.

### 6.3 Methods and material for containment and cleaning up

Wash with plenty of water.

### 6.4 Reference to other sections

Any information on personal protection and disposal are shown in sections 8 and 13.

## 7 HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Avoid contact with skin and eyes, inhalation of vapours and mists.

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

### 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.

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## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

### 8.2 Exposure controls

Eye protection:

Not needed for normal use. Anyway, operate according good working practices.

Protection for skin:

No special precaution must be adopted for normal use.

Protection for hands:

Not needed for normal use.

Respiratory protection:

Not needed for normal use.

Thermal Hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Appearance	Paste
Colour	Blue
Odour	Characteristic
Odour threshold	Not available
pH	8
Melting point / freezing point	Not available
Initial boiling point	Not available
Boiling range	Not available
Flash point	Not available
Evaporation rate	Not available
Flammability (solid, gas)	Not available
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not explosive
Upper explosive limit	Not explosive
Vapour pressure	Not available
Vapour density	Not available
Relative density	1.77-1.80 kg/l
Solubility	Not available
Partition coefficient:: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	Not explosive
Oxidising properties	Not available

### 9.2 Other information

Not available

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**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.

**11 TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects**

ACUTE TOXICITY.

Not classified. No data available for the product.

SKIN CORROSION / CUTANEOUS IRRITATION.

Does not meet the classification criteria for this hazard class.

SERIOUS OCULAR DAMAGE / EYE IRRITATION.

Does not meet the classification criteria for this hazard class.

RESPIRATORY OR CUTANEOUS SENSITIZATION.

Does not meet the classification criteria for this hazard class.

MUTAGENICITY ON GERMINAL CELLS.

Does not meet the classification criteria for this hazard class.

CARCINOGENICITY.

Does not meet the classification criteria for this hazard class.

TOXICITY FOR REPRODUCTION.

Does not meet the classification criteria for this hazard class.

SPECIFIC TOXICITY FOR TARGET ORGANS (STOT) - SINGLE EXPOSURE.

Does not meet the classification criteria for this hazard class.

SPECIFIC TOXICITY FOR TARGET ORGANS (STOT) - REPEATED EXPOSURE.

Does not meet the classification criteria for this hazard class.

DANGER IN CASE OF ASPIRATION.

Does not meet the classification criteria for this hazard class.

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## 12 ECOLOGICAL INFORMATION

### 12.1 Toxicity

Adopt good working practices, so that the product is not released into the environment.

2-octyl-2H-isothiazol-3-one - CAS: 26530-20-1

a) Acute aquatic toxicity:

Test: EC50 - Species: Daphnia 0.42 mg / l - Duration h: 48 OECD 202

Test: EC50 - Species: Algae 0.084 mg / l - Duration h: 72 Scenedesmus subspicatus - OECD 201

Test: LC50 - Species: Fish 0.036 mg / l - Duration h: 96 Oncorhynchus mykiss - OECD 203

Test: NOEC - Species: Daphnia 0.002 mg / l 21d - OECD 211

Test: NOEC - Species: Fish 0.022 mg / l 28d Oncorhynchus mykiss - OECD 210

Test: NOEC - Species: Algae 0.004 mg / l 72d - OECD 201

### 12.2 Persistence and degradability

Not applicable.

### 12.3 Bioaccumulative potential

Not applicable.

### 12.4 Mobility in soil

Not applicable.

### 12.5 Results of PBT and vPvB assessment

vPvB Substances: None - PBT Substances: None.

### 12.6 Other adverse effects

None.

## 13 DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Recover if possible. In so doing, comply with the local and national regulations currently in force.

## 14 TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

### 14.1 ONU number

Not applicable.

### 14.2 ONU shipping name

Not applicable.

### 14.3 Hazard classes connected to shipping

Not applicable.

### 14.4 Packaging group

Not applicable.

### 14.5 Environmental hazards

Not applicable.

### 14.6 Special precautions for users

Not applicable.

### 14.7 Shipping of bulk according to MARPOL 73/78 annex and the IBC code

Not applicable.

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## 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) 2015/830

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)

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:

No restriction.

Restrictions related to the substances contained:

No restriction.

Where applicable, refer to the following regulatory provisions :

Directive 2012/18/EU (Seveso III)

Regulation (EC) nr 648/2004 (detergents).

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 chemical safety assessment has been processed for the mixture and the substances it contains.

## 16 OTHER INFORMATIONS

H315 Causes skin irritation.

H412 Harmful to aquatic life with long lasting effects.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H317 May cause an allergic skin reaction.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H311 Toxic in contact with skin.

H302 Harmful if swallowed.

H330 Lethal if inhaled.

H411 Toxic to aquatic life with long lasting effects.

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Acute Tox. 2 3.1 / 2 / Inhal Acute toxicity (inhalation), Category 2  
Acute Tox. 3 3.1 / 3 / Dermal Acute toxicity (dermal), Category 3  
Acute Tox. 3 3.1 / 3 / Inhal Acute toxicity (inhalation), Category 3  
Acute Tox. 4 3.1 / 4 / Oral Acute toxicity (oral), Category 4  
Skin Corr. 1B 3.2 / 1B Skin corrosion, Category 1B  
Skin Irrit. 2 3.2 / 2 Skin irritation, Category 2  
Eye Dam. 1 3.3 / 1 Serious eye damage, Category 1  
Eye Irrit. 2 3.3 / 2 Eye irritation, Category 2  
Skin Sens. 1.1A, 1B 3.4.2 / 1-1A-1B Skin sensitization, Category 1.1A, 1B  
Skin Sens. 1A 3.4.2 / 1A Skin sensitization, Category 1A  
Aquatic Acute 1 4.1 / A1 Acute danger to the aquatic environment,  
Aquatic Chronic 1 4.1 / C1 Chronic (long-term) hazard for  
the aquatic environment, Category 1  
Aquatic Chronic 2 4.1 / C2 Chronic (long-term) hazard for  
the aquatic environment, Category 2  
Aquatic Chronic 3 4.1 / C3 Chronic (long-term) hazard for  
the aquatic environment, Category 3

## LEGEND:

- ADR: European Agreement for the transport of dangerous goods by road
- CAS NUMBER: Chemical Abstract Service number
- EC50: Concentration that gives effect to 50% of the population subjected to tests
- CE NUMBER: ID number in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived level without effect
- EmS: Emergency Schedule
- GHS: Global harmonized system for the classification and labeling of chemicals
- IATA DGR: Regulations for the transport of dangerous goods of the International Air Transport Association
- IC50: Concentration of immobilization of 50% of the population subjected to tests
- IMDG: International Maritime Code for the transport of dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identification number in Annex VI of the CLP
- LC50: Lethal concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational exposure level
- PBT: Persistent, bioaccumulative and toxic according to REACH
- PEC: Predictable environmental concentration
- PEL: Predictable level of exposure
- PNEC: Predictable concentration without effects
- REACH: EC Regulation 1907/2006
- RID: Regulations for the international transport of dangerous goods by train
- TLV: Threshold limit value
- TLV CEILING: Concentration that must not be exceeded during any moment of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Weighted average exposure limit
- VOC: Volatile organic compound
- vPvB: Very persistent and very bioaccumulant according to REACH
- WGK: Aquatic hazard class (Germany).



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## **BIBLIOGRAFIA**

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 - Annex 1

Higher Institute of Health - National Inventory of Chemical Substances

## **Note for users:**

The information contained in the present sheet are based on our own knowledge on the date of the last version.

Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations.

The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

## **BeriCalce ITALIA**

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