

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

Article No.: F27.0009 Flexonal CBCYAN
Print date: 24.08.2020 Revision date: 03.04.2020
Version: 1.10 Issue date: 30.01.2014

EN
Page 1 / 8

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

1.1 Product identifiers

Trade name: Flexonal CBCYAN
Product code: F27.0009

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

Use of the Substance/Mixture: Colouring agent

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Bachmann Kunststoff Technologien GmbH

Rudolf-Diesel-Str. 2

D-63322 Rödermark

Telefon: +49 6074 94394

Telefax: +49 6074 98544

Informing Department:

Information Contact:

Mr. Julien

E-mail (competent person):

service@bktgermany.com

1.4 Emergency Telephone Number:

Telephone:

+49 6074 94394

Only available during office hours.

Poison Control Center Mainz - 24 h –

Emergency Call:

+49 6131 19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Not a hazardous substance or mixture

Additional Labelling

EUH210

Safety data sheet available on request.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Article No.: F27.0009
Print date: 24.08.2020
Version: 1.10

Flexonal CBCYAN
Revision date: 03.04.2020
Issue date: 30.01.2014

EN
Page 2 / 8

SECTION 3: Composition/information on ingredients

3.1 Mixtures

Chemical nature:

Color reagent

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
2,2' -oxybisethanol	111-46-6 203-872-2 603-140-00-6 01-2119457857-21-0078	Acute Tox. 4; H302	>= 1 - < 10

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice:

Do not leave the victim unattended.

If inhaled:

If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician.

In case of eye contact:

Remove contact lenses.
Protect unharmed eye.
If eye irritation persists, consult a specialist.

If swallowed:

Keep respiratory tract clear.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician.

4.2 Most important symptoms and effects, both acute and delayed

None known.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

SECTION 5: Firefighting measures

5.1 Extinguishing media

No data available

5.2 Special hazards arising from the substance or mixture

No data available

5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear self-contained breathing apparatus for firefighting if necessary.

Further information:

Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Article No.: F27.0009 Flexonal CBCYAN
 Print date: 24.08.2020 Revision date: 03.04.2020
 Version: 1.10 Issue date: 30.01.2014

EN
 Page 3 / 8

SECTION 6: Accidental release measures

- 6.1 **Personal precautions, protective equipment and emergency procedures**
 No data available
- 6.2 **Environmental precautions**
 No data available
- 6.3 **Methods and material for containment and cleaning up**
 Methods for cleaning up: Wipe up with absorbent material (e.g. cloth, fleece).
 Keep in suitable, closed containers for disposal.
- 6.4 **Reference to other sections**
 No data available

SECTION 7: Handling and storage

- 7.1 **Precautions for safety handling**
 Advice on safe handling: For personal protection see section 8.
 Smoking, eating and drinking should be prohibited in the application area.

 Advice on protection against fire and explosion: Normal measures for preventive fire protection.
 Hygiene measures: General industrial hygiene practice.
- 7.2 **Conditions for safety storage, including any incompatibilities**
 Requirements for storage areas and containers: Electrical installations / working materials must comply with the technological safety standards.

 Advice on common storage: No materials to be especially mentioned.
 Storage class (TRGS 510): 10, Combustible liquids

 Further information on storage stability: No decomposition if stored and applied as directed.
- 7.3 **Specific end use(s)**
 No data available

SECTION 8: Exposure controls/personal protection

8.1 **Control parameters**

Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
2,2' -oxybisethanol	111-46-6	AGW (Vapour and aerosols)	10 ppm 44 mg/m ³	DE TRGS 900
Peak-limit: excursion factor (category)	4;(II)			
Further information	When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child			

8.2 **Exposure controls**

Personal protective equipment

- Eye protection: Safety glasses
- Skin and body protection: Protective suit
- Respiratory protection: No personal respiratory protective equipment normally required.

Article No.: F27.0009 Flexonal CBCYAN
Print date: 24.08.2020 Revision date: 03.04.2020
Version: 1.10 Issue date: 30.01.2014

EN
Page 4 / 8

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	liquid
Colour:	dark blue
Odour:	mild
Odour Treshold:	No data available
pH:	No data available
Melting point/freezing point:	< 0 °C
Boiling point/boiling range:	> 100 °C
Flash point:	230 °C Method: Cleveland open cup
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Upper explosion limit / Upper flammability limit:	No data available
Lower explosion limit / Lower flammability limit:	No data available
Vapour pressure:	No data available
Relative vapour density:	1
Relative density:	1,1
Water solubility:	No data available
Solubility in other solvents:	No data available
Partition coefficient: noctanol/water:	No data available
Auto-ignition temperature:	No data available
Decomposition temperature:	No data available
Viscosity, dynamic:	No data available
Viscosity, kinematic:	No data available
Flow time:	No data available
Explosive properties:	No data available
Oxidizing properties:	No data available

9.2 Other information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions: Stable under recommended storage conditions.
No hazards to be specially mentioned.

10.4 Conditions of avoid

Conditions to avoid: No data available

10.5 Incompatible materials

No data available

10.6 Hazardous decomposition products

No data available

Article No.: F27.0009 Flexonal CBCYAN
Print date: 24.08.2020 Revision date: 03.04.2020
Version: 1.10 Issue date: 30.01.2014

EN
Page 5 / 8

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity: (Rat): > 5.000 mg/kg

Acute toxicity estimate: > 2.000 mg/kg
Method: Calculation method

Components:

2,2' -oxybisethanol:

Acute oral toxicity: LD0 (Humans): 1 g/kg

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Not classified based on available information.

Respiratory or skin sensitisation

Skin sensitisation

Not classified based on available information.

Respiratory sensitisation

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Product:

Genotoxicity in vitro: Test Type: Ames test
Result: negative

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Experience with human exposure

Components:

2,2' -oxybisethanol:

Ingestion: Target Organs: Kidney
Symptoms: Bloody urine

Further information

Product:

Remarks: No data available

Article No.: F27.0009 Flexonal CBCYAN
Print date: 24.08.2020 Revision date: 03.04.2020
Version: 1.10 Issue date: 30.01.2014

EN
Page 6 / 8

SECTION 12: Ecological information

12.1 Toxicity

No data available

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment:

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

12.6 Other adverse effects

Product:

Additional ecological information:

No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Contaminated packaging:

Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14 Transport information

14.1 UN-Number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards:

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

Article No.: F27.0009 Flexonal CBCYAN
Print date: 24.08.2020 Revision date: 03.04.2020
Version: 1.10 Issue date: 30.01.2014

EN
Page 7 / 8

SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59):	Not applicable
REACH - List of substances subject to authorisation (Annex XIV):	Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer:	Not applicable
Regulation (EU) 2019/1021 on persistent organic pollutants (recast):	Not applicable
Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals:	Not applicable
REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII):	Not applicable
Seveso II - Directive 2003/105/EC amending Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances:	Not applicable
Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances:	Not applicable
Water contaminating class (Germany):	WGK 3 highly hazardous to water Classification according to AwSV, Annex 1 (5.2)
TA Luft List (Germany):	Total dust: Not applicable Inorganic substances in powdered form: Not applicable Inorganic substances in vapour or gaseous form: Not applicable Organic Substances: Not applicable Carcinogenic substances: Not applicable Mutagenic: Not applicable Toxic to reproduction: Not applicable

15.2 Chemical safety assessment:

Additional information is available by request.

Article No.: F27.0009 Flexonal CBCYAN
Print date: 24.08.2020 Revision date: 03.04.2020
Version: 1.10 Issue date: 30.01.2014

EN
Page 8 / 8

SECTION 16: Other information

Full text of H-Statements

H302 Harmful if swallowed.

Full text of other abbreviations

Acute Tox. Acute toxicity

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - SelfAccelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Please Note: As each customer's use of our product may be different, information we provide, including without limitation, any regulatory information, recommendations, test results, samples, care/labeling/processing instructions or marketing advice, is provided in good faith but without warranty and without accepting any responsibility/liability. Each customer must test and be responsible for its own specific use, further processing, labeling, marketing, etc. All sales are exclusively subject to our standard terms of sale posted at www.flexonal.de (all additional/different terms are rejected) unless explicitly agreed otherwise in a signed writing.