

Safety Data Sheet for not dangerous mixtures according to 830/2015 EU Regulation

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SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifiers: Pearl Pen

Type of substance: CLP Mixture

1.2 Relevant identified uses of the substance or mixture and uses advised against:
Hobby paint.

1.3 Details of the supplier of the safety data sheet:

Pentacolor Ltd.

1103 Budapest, Gyömrői út 86.

tel.: +36-1-260-7477

fax: +36-1-262-1345

e-mail: info@pentacolor.hu

For product safety information please contact: info@pentacolor.hu

1.4 Emergency telephone number:

Egészségügyi Toxikológiai Tájékoztató Szolgálat

Address: 1096, Budapest, Nagyvárad tér 2., Hungary

tel: 06/80/20 11 99 (green number), 06/1/ 476 64 64 (during working hours)

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture: Classification according to Regulation (EC) No 1272/2008

This product is not classified according to (EC) Regulation No 1272/2008.

2.2. Label elements:

Labelling according to Regulation (EC) No 1272/2008

Pearl Pen

This product is not classified according to (EC) Regulation No 1272/2008.

Additional labelling: EUH 208: Contains 2-methyl-2H-isothiazol-3-one (MIT), 1,2-benzisothiazol-3(2H)-one (BIT),): Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) C(M)IT-MIT. May produce an allergic reaction.

EUH210: Safety data sheet available on request.

2.3 Other hazards:

It does not contain PBT/vPvB materials,

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixture:

The details below includes all impurities and by-products that contribute to the product classification or that have an occupational exposure limits.

Substance with Community workplace exposure limit: Dicobalt trioxide
concentration: < 0,25%

EC-No.: 215-156-7

CAS-No.: 1308-04-9

Classification according to Regulation (EC) No 1272/2008 : --

Hazardous Substance(s): 4-(1,1,3,3-tetramethylbutyl) phenol, ethoxylated (candidate list substances)

concentration: < 0,2%

EC-No.: 618-344-0

CAS-No.: 9002-93-1

Classification according to Regulation (EC) No 1272/2008 : Aquatic Chronic 3 H412

Substance with Community workplace exposure limit: Tin dioxide (C.I. 77861)
concentration: < 0,2%
EC-No.: 242-159-0
CAS-No.: 18282-10-5
Classification according to Regulation (EC) No 1272/2008 : --

Hazardous Substance(s): bronopol (INN); 2-bromo-2-nitropropane-1,3-diol; bronopol (INN); 2-bróm-2-nitropropán-1,3-diol
concentration: < 0,05%
EC-No.: 200-143-0
CAS-No.: 52-51-7
Index-No. : 603-085-00-8
Classification according to Regulation (EC) No 1272/2008 : Acute Tox. oral 4 (*) H302, Acute Tox. dermal 4 (*) H312, Skin Irrit. 2 H315, Eye Dam. 1 H318, STOT SE 3 H335, Aquatic Acute 1 H400 (M=10), Aquatic Chronic 1 H410 (M=1)*

Hazardous Substance(s): 2-methyl-2H-isothiazol-3-one (MIT), MIT (substance with triggering limit)

concentration: < 0,02%
EC-No.: 220-239-6
CAS-No.: 2682-20-4
Classification according to Regulation (EC) No 1272/2008 : Acute Tox. oral 3 H301, Acute Tox. inhal. 2 H330, Skin Corr. 1B H314, Skin Sens. 1A H317, Eye Dam. 1 H318, Aquatic Acute 1 H400 (M=1), Aquatic Chronic 2 H411 (SCL:Skin Sens 1 H317: c ≥ 0,1 %)

Hazardous Substance(s): 1,2-benzisothiazol-3(2H)-one ,BIT

concentration: < 0,02%
EC-No.: 220-120-9
CAS-No.: 2634-33-5
Index-No. : 613-088-00-6
Classification according to Regulation (EC) No 1272/2008 : Acute Tox. oral 4 (*) H302, Skin Irrit. 2 H315, Skin Sens. 1 H317, Eye Dam. 1 H318, Aquatic Acute 1 H400 (M=1) (SCL: Skin Sens. 1 H317: c ≥ 0,05 %)

Hazardous Substance(s): reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1); reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1); CMIT/MIT(substance with triggering limit)

concentration: < 0,002%
EC-No.: 611-341-5
CAS-No.: 55965-84-9
Index-No. : 613-167-00-5
Classification according to Regulation (EC) No 1272/2008 : Acute Tox. oral 3 (*) H301, Acute Tox. dermal 3 (*) H311, Acute Tox. inhal. 3 H331 (*), Skin Corr. 1B H314, Skin Sens. 1 H317, Aquatic Acute 1 H400, Aquatic Chronic 1 H410, EUH208 (SCL: Skin Corr. 1B H314: c ≥ 0,6 %, Skin Irrit. 2 H315: 0,06 % ≤ c ≤ 0,6 %, Eye Irrit. 2 H319: 0,06 % ≤ c < 0,6 %, Skin Sens. 1 H317: c ≥ 0,0015 %)

*Harmonized classification supplementing with manufacturer's classification
(*) minimum classification for a category

Refer to Section 16 for full details of hazard statements and Notas.

SECTION 4. FIRST AID MEASURES

4.1 Description of necessary first-aid measures:

General:

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation:

Usually there is no need for first aid.

Keep patient calm, remove to fresh air, if necessary, seek medical attention.

Eye contact:

Wash affected eyes for at least 15 minutes under running water with eyelids held open. Consult a doctor in case of persistent symptoms or complaints.

Skin contact:

Wash thoroughly with soap and water.

Ingestion:

Usually there is no need for first aid.

Rinse mouth. When symptoms persist, seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed:

From symptoms and effects we donot have any information.

4.3 Indication of immediate medical attention and special treatment needed:

Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES**5.1 Extinguishing media****Suitable extinguishing media**

All fire-fighting measures are suitable depending on the surrounding fire.

Not to be used : Not known.

5.2 Special hazards arising from the substance or mixture

The product is not flammable. In case of fire hazardous vapors, gases may be formed.

5.3 Advice for firefighters

Wear self-contained breathing apparatus and protective clothing.

Use fine water spray to cool endangered containers. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems.

SECTION 6. ACCIDENTAL RELEASE MEASURES**6.1 Personal precautions, protective equipment and emergency procedures**

Remove the unauthorized persons. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Remove all sources of ignition. Provide adequate ventilation.

6.2 Environmental precautions

Do not allow to enter drains or watercourses.

6.3 Methods and materials for containment and cleaning up

Small spills: Soak up with cloth. For residues: Pick up with suitable absorbent material (e.g. sand, earth, and similar inert absorbent). Dispose of absorbed material in accordance with regulations.

Wash the contaminated area with plenty of water.

6.4 Reference to other sections

Use personal protective equipment recommended in section 8.

For disposal see section 13.

SECTION 7. HANDLING AND STORAGE**7.1 Precautions for safe handling**

No special measures are required.

Avoid contact with skin and eyes. Do not breathe powder. Provide adequate ventilation. Do not use the product near sources of ignition.

Do not eat, drink or smoke while working. Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a cool, well-ventilated place. Keep away from sources of ignition and from incompatible materials.

7.3 Specific end uses

See section 1.2

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1 Control parameters****Components with workplace control parameters****8.2 Exposure controls**

Tin(IV)-compounds, inorganic: 8 mg/m³ with reference to the inhalable fraction (AGS) calculated as tin. (TRGS 900) (permissible peak concentration)

Tin(IV)-compounds, inorganic: 2 mg/m³ with reference to the inhalable fraction (AGS) calculated as tin. (TRGS 900) (permissible average concentration)

Substance with biological exposure limit:

Cobalt (III) oxide; Dicobalt trioxide

TRGS 910

Substance-specific acceptances and tolerance concentrations

Acceptance concentration

Conc. (weight): 0,5 microg/m³ Alveolar fraction

Acceptance concentration associated with risk 4:10000

Tolerance concentration

Conc. (weight): 5 microg/m³ Alveolar fraction

Excursion factor: 8

Quartz (Directive 2017/2398/EU)

Binding occupational exposure limit value of the European Union

8 hours limit value: 0,1 mg/m³

Scope: Silica, crystalline, (respirable fraction)

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Local or general extraction system is recommended in order to keep the exposure as low as possible. Safety shower, eyewash is recommended.

Personal protective equipment

Eye/face protection

Safety glasses with side-shields according to EN 166.

Skin protection

Protective gloves according to EN 374. can be used, but in normal case it is not necessary.

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

If local risk assessment requires, use protective equipment. (Chemical resistant gloves, overall or work clothes)

Body Protection

Protective clothing according to EN ISO 20345

Respiratory protection

Provide good ventilation of working area. Wear respiratory protection if ventilation is inadequate.

Dust mask and organic substances provided for combined respiratory protective, if necessary.

Environmental exposure controls

Check emissions of the local exhaust system during the production in order to comply with environmental protection requirements

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

(a) Appearance: viscous liquid, Colour: product-specific

(b) Odour: characteristic

(c) Odour threshold: not determined

(d) pH: 7-8,5

(e) Melting point/freezing point: not determined

(f) Initial boiling point and boiling range: not determined

(g) Flash point: not determined

(h) Evaporation rate: not determined

(i) Flammability (solid, gas): Not applicable (non-flammable liquid).

(j) Upper/lower flammability or explosive limits: Not applicable (non-flammable / non-explosive liquid).

(k) Vapour pressure: not determined

(l) Vapour density: not determined

(m) Relative density: 1,0 -1,15 g/cm³

(n) Solubility(ies): soluble in water

(o) Partition coefficient: n-octanol/water: not determined

(p) Auto-ignition temperature: not determined

(q) Decomposition temperature: not determined

- (r) Viscosity: not determined
- (s) Explosive properties: product is not explosive.
- (t) Oxidising properties. non-oxidizing

9.2. Other information

No data available

SECTION 10. STABILITY AND REACTIVITY**10.1 Reactivity**

No hazardous reactions can be expected under normal handling and storage

10.2 Chemical stability

Stable under recommended storage and handling conditions.

10.3 Possibility of hazardous reactions

No dangerous reaction in normal use.

10.4 Conditions to avoid

Heat, flames and sparks.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

Hazardous vapors, gases

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

There are no data available on the preparation itself.

(a) acute toxicity: Based on available data, the classification criteria are not met

The product does not contain components of acute toxicity-classified at or above the general classification limits.

(b) skin corrosion/irritation: Based on available data, the classification criteria are not met

The product does not contain components of skin corrosion or skin irritation at or above the general classification limits.

(c) serious eye damage/irritation: Based on available data, the classification criteria are not met

The product does not contain components which damage or irritating to eyes at or above the general classification limits.

(d) respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

The product contains components classified as skin sensitization at concentrations above the triggering limit as indicated by the EUH208 phrases on the label.

(e) germ cell mutagenicity: Based on available data, the classification criteria are not met.

The product does not contain mutagenic components

(f) carcinogenicity: Based on available data, the classification criteria are not met

The product does not contain carcinogenic components.

(g) reproductive toxicity: Based on available data, the classification criteria are not met

The product does not contain components of reproductive toxicity.

(h) STOT-single exposure: Based on available data, the classification criteria are not met

The product does not contain a single exposure specific target organ toxicity-classified components in the general classification limit values or concentration above.

(i) STOT-repeated exposure: Based on available data, the classification criteria are not met

The product does not contain components classified as repeated-exposure target organ toxicity at or above the general classification limits. The product does not contain components classified with aspiration toxicity.

(j) aspiration hazard: Based on available data, the classification criteria are not met

SECTION 12. ECOLOGICAL INFORMATION**12.1 Toxicity**

There are no data available on the preparation itself.

Based on available data, the classification criteria are not met

12.2 Persistence and degradability**Biodegradability**

No relevant information available.

Components:

Bronopol: Readily biodegradable

> 70 % (Activated sludge, OECD 301B, modified Sturm test) (REACH dossier).

1,2-benzisothiazol-3(2H)-one:

Readily biodegradable.

ca. 90 % (OECD 302B Zahn-Wellens test, activated sludge)

> 70 % (OECD 303A DOC, activated sludge)

t_{1/2}: 1,28-2,1 d (OECD 308 in freshwater sediment)

t_{1/2}: 4,1 nap (OECD 309 biodegradable simulation in freshwater sediment)

12.3 Bioaccumulative potential**Components:**

Bronopol: in living body is not enriched up

BCF: 3,16 (calculated, EPIWIN).

Partition coefficient: log K_{ov}:0,22 (OECD 107, S3658)

1,2-benzisothiazol-3(2H)-one:

Bioaccumulation is not expected.

log K_{ov}: 0,7 (OECD 117, HPLC method)

BKF (fish): 6,95 (OECD 305)

12.4 Mobility in soil

The product is water-soluble. No further relevant information available.

12.5 Results of PBT and vPvB assessment

The product does not fulfill the criteria for PBT(Persistent/bioaccumulative/toxic) and vPvB (very persistent/very bioaccumulative).

12.6 Other adverse effects

Not known.

SECTION 13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Do not dispose of together with household waste. In accordance with local and national regulations.

Non-hazardous waste, but the generation of waste should be avoided or minimized wherever possible. Do not allow into drains or water courses. The waste packaging can be recycled.

SECTION 14. TRANSPORT INFORMATION**Transportation for non-hazardous goods.**

14.1 ADR/RID, IMDG, IATA: UN number: Not applicable.

14.2 ADR/RID, IMDG, IATA: UN proper shipping name: Not applicable.

14.3 ADR/RID, IMDG, IATA: Transport hazard class(es): Not applicable.

14.4 ADR/RID, IMDG, IATA: Packing group: Not applicable.

14.5 Environmental hazards: No

14.6 Special precautions for user: Handle in accordance with good industrial hygiene and safety practice.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

SECTION 15. REGULATORY INFORMATION

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

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

According to the local regulation. For product there are no special requirements.

15.2 Chemical Safety Assessment

Chemical safety assessment has not been carried out./ not required.

SECTION 16. OTHER INFORMATION**Data Sources:**

The previously-classified hazardous materials list

Internet database of chemical substances
Safety data sheets of components

The classification was prepared according to the 1272/2008/EK Regulation:
This product is not classified according to (EC) Regulation No 1272/2008.- based on calculation method

LIST OF RELEVANT H-PHRASES IN SECTION 3

H301 Toxic if swallowed
H302 Harmful if swallowed
H311 Toxic in contact with skin
H312 Harmful in contact with skin
H314 Causes severe skin burns and eye damage
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation
H318 Causes serious eye damage
H330 Fatal if inhaled
H331 Toxic if inhaled
H335 May cause respiratory irritation
H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long lasting effects effects
H411 Toxic to aquatic life with long lasting effects
H412 Harmful to aquatic life with long lasting effects
EUH208 Contains „name of sensitising substance ” May produce an allergic reaction.

Abbreviations:

Acut Tox. 3 Acute Toxicity Category 3
Acute Tox. 4 Acute Toxicity Category 4
Acute Tox. 2 Acute Toxicity Category 2
Skin Irrit. 2 Skin Irritation Category 2
Eye Dam. 1 Eye Damage Category 1
STOT SE 3 Specific target organ toxicity – single exposure Category 3
Aquatic Acute 1 Aquatic Acute Category 1
Aquatic Chronic 1 Aquatic Chronic Category 1
Aquatic Chronic 2 Aquatic Chronic Category 2
Aquatic Chronic 3 Aquatic Chronic Category 3
Skin Corr.1B Skin Corrosion Category 1B
Skin Sens. 1 Skin sensitization 1

EK / EU European community/European union

EGK European Economic Community

DNEL Derived No Effect Level

PNEC Predicted No Effect Concentration

CLP Regulation on Classification, Labelling and Packaging of Substances and Mixtures /

CAS Chemical Abstracts Service

UN / ENSZ United Nations

ADN Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure

ADR Accord européen relatif au transport international des marchandises Dangereuses par Route

RID Règlement international concernant le transport des marchandises dangereuses par chemin de fer

IMDG International Maritime Code for Gangerous Goods

MARPOL International Convention for the Prevention of Pollution From Ships

IBC Intermediate Bulk Container

IATA International Air Transport Association

ICAO International Civil Aviation Organization

PBT Persistent, Bioaccumulative, Toxic

vPvB very Persistent, very Bioaccumulative

This product Safety Data Sheet provides health, safety, and regulatory information. The information contained in this Safety Data Sheet is based on data available to us at the date of issue, and is provided in good faith, and believed to be accurate and reliable at the date of issue, however, no warranty, express or implied is provided. The product is to be used in applications consistent. For any other uses, exposures should be evaluated so that the appropriate handling practices and training programs can be established to ensure safe working conditions and operations. It is the buyer's/user's responsibility to satisfy itself that the product is suitable for the intended use, and to ensure that its activities comply with all federal, state, provincial, or local laws and regulations. Regulatory requirements are subject to change and may differ between European Member States and Nations. Individuals handling this product should be informed of the recommended safety precautions and should have access to this information.