

Safety Data Sheet for not dangerous mixtures according to Regulation (EC) No 830/2015

Date of Compilation/Revision: 31.10.2017.

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

1.1 Product identifiers: GLITTER PEN

Type of substance: CLP Mixture

Color / product code: Silver/18686, Plumb/18687, Rainbow/18688, Gold/18689, Brass/18690, Red/18691, Pink/18692, Purple/18693, Blue/18694, Turquoise/18695, Light Green/18696, Dark Green/18697, Light Pink/18698, Light Blue/18699

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

Ink pen

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

GLITTER PEN

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

EUH208 Contains 1,2-Benzisothiazol-3 (2H) -one. May cause 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.

Hazardous Substance(s): bronopol (INN); 2-bromo-2-nitropropane-1,3-diol; bronopol (INN); 2-bróm-2-nitropropán-1,3-diol

concentration: < 0,02%

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

concentration: < 0,05 %

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, Acute Tox. Inhal. 2 H330, Skin Irrit. 2 H315, Skin Sens. 1 H317, Eye Dam. 1 H318, Aquatic Acute 1 H400, (M=1), Aquatic Chronic 2 H411 (SCL:: Skin Sens. 1 H317: c ≥ 0,05 %)

* Harmonized classification supplementing with manufacturer's classification

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:

Keep patient calm, remove to fresh air, 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:

Immediately rinse mouth. When symptoms persist, seek medical attention.

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

No relevant information from symptoms and effects.

4.3 Indication of immediate medical attention and special treatment needed:

Treat symptomatically.

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Sand, dry powder, carbon dioxide

Not to be used : Water

5.2 Special hazards arising from the substance or mixture

Hazardous vapors, gases

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

Wear protecting apparatus. Remove the unauthorized persons. Handle in accordance with good industrial hygiene and safety practice. Provide adequate ventilation. Remove all sources of ignition.

6.2 Environmental precautions

No special measures are required.

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 or similar inert absorbent material) 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 direct contact with the product, ingestion and vapor spray inhalation.

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**

Contains no substances with occupational exposure limit values.

8.2 Exposure controls**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**

Wear eye/face protection such as chemical splash proof goggles or face shield.

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.

Body Protection

Protective clothing according to EN ISO 20345

Respiratory protection

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

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: 1.0-1.2 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 safety 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..

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.

(j) aspiration hazard: Based on available data, the classification criteria are not met. The product does not contain components classified with aspiration toxicity.

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.

The M-factors used for classification are given in section 3.2.

12.2 Persistence and degradability**Biodegradability**

Components:

Bronopol: Readily biodegradable

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

1,2-benzisotiazolin-3-on:

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_{ow}:0,22 (OECD 107, S3658)
1,2-benzisotiazolin-3-on:
Bioaccumulation is not expected.
log K_{ow}: 0,7 (OECD 117, HPLC method)
BKF (fish): 6,95 (OECD 305)

12.4 Mobility in soil

The product is water-soluble

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. UN number: not applicable
- 14.2. UN proper shipping name: not applicable
- 14.3. Transport hazard class(es): not applicable
- 14.4. Packing group: not applicable
- 14.5. Environmental hazards: No
- 14.6. Special precautions for user: Follow the instructions on the safety data sheet.
- 14.7. Transport in bulk according to Annex II of Marpol 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**LIST OF RELEVANT H-PHRASES IN SECTION 3**

H302 Harmful if swallowed
H312 Harmful in contact with skin
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H318 Causes serious eye damage
H330 Fatal if inhaled

H335 May cause respiratory irritation
H400 Very toxic to aquatic life
H410 Very toxic to aquatic life with long lasting effects
H411 Toxic to aquatic life with long lasting effects
EUH208 Contains . May produce an allergic reaction.
EUH210 Safety data sheet available on request.

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

Abbreviations:

Acute Tox. 2 Acute Toxicity, Category 2
Acute Tox. 4 Acute Toxicity, Category 4
Skin Irrit. 2 Skin Irritation, Category 2
Skin Sens. 1 Skin Sensitization, Category 1
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

EK / EU European community/European union
EGK European Economic Community
DNEL Derived No Effect Level
PNEC Predicted No Effect Concentration
DOC Dissolved Organic Carbon
CLP Regulation on Classification, Labelling and Packaging of Substances and Mixtures /
CAS Chemical Abstracts Service
HPLC High Performance Liquid Chromatography
BCF / BKF Bioconcentration factor
OECD Organisation for Economic Co-operation and Development
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 Dangerous 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.