

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

Date of Compilation/Revision: 25.05.2017.

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

#### 1.1 Product identifiers: Iron paste

Type of substance: CLP Mixture

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

Water-based paint paste for imitation of stone or marble effect.

#### 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](mailto:info@pentacolor.hu)

For product safety information please contact: [info@pentacolor.hu](mailto: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

Iron paste

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

#### 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): diethylene glycol monobutyl ether

concentration: < 5%

EC-No.: 203-961-6

CAS-No.: 112-34-5

Index-No. : 603-096-00-8

Classification according to Regulation (EC) No 1272/2008 : Eye Irrit. 2 H319

Registration number : 01-2119475104-44-0006, 01-2119475104-44-xxxx

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)

\*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:**

The nature of the product does not cause any significant exposure. 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 an eye specialist.

#### **Skin contact:**

Wash thoroughly with soap and water.

#### **Ingestion:**

The nature of the product does not cause any significant exposure. Rinse mouth. When symptoms persist, seek medical attention.

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

In normal use not expected to be a significant effect. For information on the components, see Section 11.

### **4.3 Indication of immediate medical attention and special treatment needed:**

Treat symptomatically.

## **SECTION 5. FIREFIGHTING MEASURES**

### **5.1 Extinguishing media**

#### **Suitable extinguishing media**

Water spray, dry powder, foam, carbon dioxide

Not to be used : Not known.

### **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**

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**

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, sawdust, general-purpose binder, kieselguhr). 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 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**

112-34-5: diethylene glycol monobutyl ether

TWA value 67.5 mg/m<sup>3</sup> ; 10 ppm (OEL (EU)) indicative

STEL value 101.2 mg/m<sup>3</sup> ; 15 ppm (OEL (EU)) indicative

**DNEL****112-34-5: diethylene glycol monobutyl ether**

worker:

Long-term exposure - systemic and local effects, Inhalation: 67.5 mg/m<sup>3</sup>, 10 ppm

worker:

Long-term exposure- systemic effects, dermal: 20 mg/kg

consumer:

Short-term exposure - local effects, Inhalation: 50.6 mg/m<sup>3</sup>, 7.5 ppm

consumer:

Long-term exposure - systemic and local effects, Inhalation: 34 mg/m<sup>3</sup>, 5 ppm

consumer:

Long-term exposure- systemic effects, dermal: 10 mg/kg

consumer:

Long-term exposure- systemic effects, oral: 1.25 mg/kg

**PNEC**

freshwater: 1 mg/l

marine water: 0.1 mg/l

intermittent release: 3.9 mg/l

sediment (freshwater): 4 mg/kg

sediment (marine water): 0.4 mg/kg

STP: 200 mg/l

oral (secondary poisoning): 56 mg/kg

soil: 0.4 mg/kg

**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**

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.

## 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
- (j) Upper/lower flammability or explosive limits: not determined
- (k) Vapour pressure: not determined
- (l) Vapour density: not determined
- (m) Relative density: 1,8-2,2 g/cm<sup>3</sup>
- (n) Solubility(ies): soluble in water
- (o) Partition coefficient: n-octanol/water: log  $K_{ow}$ :0,22 (OECD 107, S3658)
- (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

Under normal conditions is stable.

### 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
- (b) skin corrosion/irritation: Based on available data, the classification criteria are not met
- (c) serious eye damage/irritation: Based on available data, the classification criteria are not met
- (d) respiratory or skin sensitisation: Based on available data, the classification criteria are not met
- (e) germ cell mutagenicity: Based on available data, the classification criteria are not met
- (f) carcinogenicity: Based on available data, the classification criteria are not met
- (g) reproductive toxicity: Based on available data, the classification criteria are not met
- (h) STOT-single exposure: Based on available data, the classification criteria are not met
- (i) STOT-repeated exposure: Based on available data, the classification criteria are not met
- (j) aspiration hazard: Based on available data, the classification criteria are not met

**SECTION 12. ECOLOGICAL INFORMATION****12.1 Toxicity**

Based on available data, the classification criteria are not met

The product does not contain any hazardous components above the general classification limits, which is dangerous to the aquatic environment.

**12.2 Persistence and degradability****Biodegradability**

No relevant information available.

Components:

diethylene glycol monobutyl ether:

Readily biodegradable (according to OECD criteria).

Elimination information:

80 - 90 % BOD of the ThOD (28 d) (OECD 301C; ISO 9408; 92/69/EEC, C.4-F) (aerobic, Inoculum conforming to MITI requirements (OECD 301C))

Bronopol: Readily biodegradable

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

**12.3 Bioaccumulative potential**

Components:

diethylene glycol monobutyl ether:

Significant accumulation in organisms is not to be expected.

Bronopol: in living body is not enriched up

BCF: 3,16 (calculated, EPIWIN).

**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.

**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.

**SECTION 16. OTHER INFORMATION**

## LIST OF RELEVANT H-PHRASES IN SECTION 3

**H-Phrases**

H302 Harmful if swallowed  
H312 Harmful in contact with skin  
H315 Causes skin irritation  
H318 Causes serious eye damage  
H319 Causes serious eye irritation.  
H335 May cause respiratory irritation  
H400 Very toxic to aquatic life  
H410 Very toxic to aquatic life with long lasting effects

**Abbreviations:**

Eye Irrit.2 Eye Irritation Category 2  
Acute Tox. 4 Acute Toxicity Category 4  
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  
  
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 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.