

Safety Data Sheet according to Regulation (EC) No 830/2015

Date of Compilation/Revision: 17.01.2018.

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

1.1 Product identifiers: Glass, Porcelain Paint and Medium

Type of substance: CLP Mixture

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

Water-based paint for glass, porcelain and metal surfaces decoration. (Hobby product)

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)

2. HAZARDS IDENTIFICATION

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

Skin Sens. 1 H317 May cause an allergic skin reaction

2.2. Label elements:

Labelling according to Regulation (EC) No 1272/2008

Hazard pictograms:



Signal Word: Warning

Hazard Statements:

H317 May cause an allergic skin reaction

EUH208 Contains BIT/MIT May produce an allergic reaction.

Precautionary Statements

P101 If medical advice is needed, have product container or label at hand

P102 Keep out of reach of children

P261 Avoid breathing dust/fume/gas/mist/vapours/spray

P272 Contaminated work clothing should not be allowed out of the workplace

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with soap and water

P333+P313 IF skin irritation or a rash occurs: Get medical advice/attention

P362+P364 Take off contaminated clothing and wash it before reuse.

P501 Dispose of contents/ container in accordance with the local regulations.

Hazardous components which must be listed on the label:

(3-Glycidyloxypropyl)methyldiethoxysilane
EUH208 Contains BIT/MIT May produce an allergic reaction.

2.3 Other hazards:

The ingredients are not PBR or vPvB substances.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**3.2 Mixture**

Hazardous substance: 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

Hazardous substance: (3-Glycidyloxypropyl)methyldiethoxysilane
concentration: < 5%

EC-No.: 220-780-8

CAS-No.: 2897-60-1

Classification according to Regulation (EC) No 1272/2008: Skin Sens. 1 H317

Hazardous substance: ammonia anhydrous

concentration: < 0,2%

EC-No.: 231-635-3

CAS-No.: 7664-41-7

Reg.nr.: 01-2119488876-14-XXXX

Classification according to Regulation (EC) No 1272/2008: Flam. Gas 2 H221, Skin Corr. 1B H314, Acute Tox. 3 H331, Aquatic Chronic 2 H411, Aquatic Acute 1 H400 (M=1)

Hazardous substance: 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

concentration: 0,005-0,006 %

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 %)

Hazardous Substance(s): 2-methyl-2H-3-isothiazolone

concentration: 0,001-0,01 %

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 %)

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

4. FIRST AID MEASURES

4.1 Description of necessary first-aid measures:

General information

In all cases of doubt, or when symptoms persist, seek medical attention.

If possible, the label should be shown.

INHALATION

Provide fresh air. Seek medical treatment in case of troubles.

SKIN CONTACT

Wash skin thoroughly with soap and water. When symptoms persist, seek medical attention.

Remove contaminated clothing. Before reuse wash contaminated clothing.

INGESTION

If accidentally swallowed obtain immediate medical attention .

EYE CONTACT

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Then consult a doctor.

Most important symptoms and effects, both acute and delayed

If swallowed, may cause gastrointestinal irritation, dizziness, vomiting and diarrhea.

Repeated or prolonged exposure may cause skin and eye irritation.

May cause an allergic skin reaction

4.3. Indication of immediate medical attention and special treatment needed

Treat symptomatically.

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media:

Use extinguishing media that is suitable for the extinguishing of burning agents in the environment.

For safety reasons unsuitable extinguishing agents: No information.

5.2 Special hazards arising from the substance or mixture

No information.

Specific hazards during fire fighting: In the closed containers, the pressure may increase with heat. The product itself does not burn. Collect contaminated fire extinguishing water separately.

This must not be discharged into drains. You have to dispose of contaminated extinguishing water according to the regulations of the authorities.

5.3 Advice for firefighters

Wear self-contained respiratory protective device.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Wear personal protective equipment.

6.2 Environmental precautions

Do not allow product to reach sewage system or any water course.

6.3 Methods and materials for containment and cleaning up

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders).

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Wear personal protective equipment. (Section 8.)

Avoid contact with eyes, skin, clothing and breathing of its vapours.
Smoking, eating and drinking should be prohibited in the application area. Provide good ventilation of working area.

General occupation hygiene advice:

Wash hands before breaks and at the end of workday.

7.2 Conditions for safe storage, including any incompatibilities

In the original container - properly labeled - should be stored.

Keep container tightly closed in a cool, well-ventilated place. Protect from frost. Keep away from direct sunshine and sources of ignition..Store 5 to 35 C.

7.3 Specific end uses

See section 1.2

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

CAS 112-34-5 diethylene glycol monobutyl ether:

TWA value 67.5 mg/m³ ; 10 ppm (OEL (EU)) indicative

STEL value 101.2 mg/m³ ; 15 ppm (OEL (EU)) indicative

CAS 7664-41-7 ammonia: 14 mg/m³ (8 hours), 36 mg/m³ (short-term)

Derived No Effect Level (DNEL)/Derived Minimal Effect Level (DMEL)

diethylene glycol monobutyl ether

DNEL: Workers, Long-term - systemic and local effects, Inhalation 67,5 mg/m³, 10 ppm

DNEL: Workers, Long-term - systemic and local effects, Skin contact 20 mg/kg

DNEL: Consumers, Short-term – local effects, Inhalation 50,6 mg/m³, 7,5 ppm

DNEL: Consumers, Long-term - systemic and local effects, Inhalation 34 mg/m³, 5 ppm

DNEL: Consumers, Long-term - systemic effects, Skin contact 10 mg/kg

DNEL: Consumers, Long-term - systemic effects, Oral 1,25 mg/kg

Derived No Effect Level (DNEL)/Derived Minimal Effect Level (DMEL)

ammonia

DNEL: Workers, Short-term - systemic effects, Skin contact 68 mg/kg

DNEL: Workers, Short-term - systemic effects, Inhalation 47.6 mg/m³

DNEL: Workers, Short-term - local effects, Inhalation 36 mg/m³

DNEL: Workers, Long-term - systemic effects, Skin contact 68 mg/kg

DNEL: Workers, Long-term - systemic effects, Inhalation 47.6 mg/m³

DNEL: Workers, Long-term - local effects, Inhalation 14 mg/m³

DNEL: Consumers, Short-term - systemic effects, Skin contact 68 mg/kg

DNEL: Consumers, Short-term - systemic effects, Inhalation 23.8 mg/m³

DNEL: Consumers, Short-term - systemic effects, Oral 6.8 mg/kg

DNEL: Consumers, Short-term - local effects, Inhalation 7.2 mg/m³

DNEL: Consumers, Long-term - systemic effects, Skin contact 68 mg/kg

DNEL: Consumers, Long-term - systemic effects, Inhalation 23.8 mg/m³

DNEL: Consumers, Long-term - systemic effects, Oral 6.8 mg/kg

DNEL: Consumers, Long-term – local effects, Inhalation 2.8 mg/m³

Predicted No Effect Concentration (PNEC)

diethylene glycol monobutyl ether

Fresh water: 1 mg/l

Marine water: 0,1 mg/l

Intermediate release: 3,9 mg/l

STP: 200 mg/l

Sediment (Fresh water): 4 mg/kg

Sediment (Marine water): 0,4 mg/kg

Soil: 0,4 mg/kg

Oral food: 56 mg/kg

Predicted No Effect Concentration (PNEC)

ammonia

Fresh water: 0.0011 mg/l

Marine water: 0.0011 mg/l

Intermediate release: 0.0068 mg/l

8.2 Exposure controls

Ensure adequate ventilation, especially in confined areas background. Ensure eyewash and safety shower near the workplace.

Personal protective equipment

Eye/face protection

Tightly sealed safety glasses according to EN 166.

Skin protection

Material of gloves (EN 374)

Nitrile rubber

thickness: 0,1-0,4 mm

breakthrough time: 480 min.

If the glove shows signs of aging, it should be immediately replaced.

Body Protection

It is not necessary for normal use.

After contact with skin, wash off immediately.

Take off contaminated clothing and wash it before reuse.

Respiratory protection

It is not necessary for normal use..

Environmental exposure controls

Do not flush into surface water or sanitary sewer system

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 determined

(k) Vapour pressure: not determined

(l) Vapour density: not determined

(m) Relative density: 1,05-1,2 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: not applicable

(t) Oxidising properties: not applicable

9.2. Other information

No further relevant information available.

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

Extremes of temperature and direct sunlight.

10.5 Incompatible materials

Not known in normal use.

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

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: Causes serious eye irritation

(d) respiratory or skin sensitisation: May cause an allergic skin reaction.

(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.

Components:

CAS 112-34-5 diethylene glycol monobutyl ether

LD50 mouse (oral): 2.410 mg/kg (OECD 401)

Inhalation: > 29 ppm 2 h (IRT)

LD50 rabbit (dermal) 2.764 mg/kg (OECD 402)

CAS 2897-60-1 (3-Glycidyloxypropyl)methyldiethoxysilane

LD50 rat > 2.000 mg/kg (OECD 401)

LD50 rat (dermal): > 2000 mg/kg

CAS 7664-41-7 ammonia:

LD50 rat: 350 mg/kg (OECD 401)

12. ECOLOGICAL INFORMATION**12.1 Toxicity**

Toxicity: Ecotoxicological data not been determined specifically for this product .

Based on available data, the classification criteria are not met.

Components

CAS 112-34-5 diethylene glycol monobutyl ether

Fish: LC50 (96 h) 1.300 mg/l, *Lepomis macrochirus* (OECD 203, static) 203, statikus)

Literary data. Nominal concentration.

CAS 7664-41-7 ammonia:

LC50 (Fish): 0.8 mg/l, 96 h

Very toxic to aquatic organisms.

CAS 112-34-5 diethylene glycol monobutyl ether

Water invertebrates:

EC50 (48 h) > 100 mg/l, *Daphnia magna* (92/69/EWG, C.2, static) Nominal concentration.

Aquatic plants:

EC50 (96 h) > 100 mg/l (Growth rate)

Scenedesmus subspicatus (OECD 201, static) Nominal concentration.

Microorganisms / Effect on live (activated) sludge:

EC10 (30 min) > 1.995 mg/l, industrial activated sludge (OECD 209 aquatic) Nominal concentration.

CAS 7664-41-7 ammonia:

EC50 (Daphnia magna): 24.4 mg/l, 48 h

Toxicity to fish (Chronic toxicity)

LOEC: 0.05 mg/l, 96 h Oncorhynchus mykiss

Toxicity to daphnia and other aquatic invertebrates organisms (Chronic toxicity)

NOEC: 0.79 mg/l, 96 h Daphnia magna

LOEC: 1.3 mg/l, 96 h Daphnia magna

LC50: 4.07 mg/l, 96 h Daphnia magna

12.2 Persistence and degradability

For mixture no data

Components:

CAS 112-34-5 diethylene glycol monobutyl ether : Readily biodegradable

CAS 2897-60-1 (3-Glycidyloxypropyl)methyldiethoxysilane: no data

CAS 7664-41-7 ammonia: no data

CAS: 52-51-7 Bronopol: > 70 % (Activated sludge, OECD 301B, modified Sturm test) (REACH dossier).

CAS 2682-20-4 2-methyl-2H-3-isothiazolone: 1,28-2,1 d (OECD 308) S842, 4,1 d (OECD 309)

12.3 Bioaccumulative potential

CAS 112-34-5 diethylene glycol monobutyl ether: Significant accumulation in living organisms is not expected.

CAS 2897-60-1 (3-Glycidyloxypropyl)methyldiethoxysilane: no data

CAS 7664-41-7 ammonia: no data

CAS 52-51-7 bronopol: BCF: 3,16 (calculated) EPIWIN, log Kow: 0,22 (OECD 107)

CAS 2682-20-4 2-methyl-2H-3-isothiazolone: BCF: 3,16 (calculated), literary data,

log Kow: -0,32 (OECD 117)

CAS 2634-33-5 1,2-benzisothiazol-3(2H)-one BCF: 6,95 (OECD 305), log Kow: 0,7 (OECD 117)

12.4 Mobility in soil

Components:

CAS 112-34-5 diethylene glycol monobutyl ether: Binding to the soil phase is not expected. THE testing is not justified on a scientific basis.

CAS 2897-60-1 (3-Glycidyloxypropyl)methyldiethoxysilane: no data

CAS 7664-41-7 ammonia: no data

12.5 Results of PBT and vPvB assessment

The ingredients are not PBR or vPvB substances..

12.6 Other adverse effects

This product has no known ecotoxicological effect.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Recommendation

Dispose of in accordance with local regulations. Do not let product enter drains.

Contaminated packaging: Packagings that cannot be cleaned are to be disposed of in the same manner as the product.

14. TRANSPORT INFORMATION

According the transport regulations (ADR/RID, ADN, IMDG, ICAO/IATA) the product is a dangerous good,

14.1 UN number

ADR/RID, IMDG, IATA: Not applicable

14.2 UN proper shipping name

ADR/RID, IMDG, IATA: During the delivery of the product is not regulated

14.3 Transport hazard class(es)

ADR/RID, IMDG, IATA: Not applicable

14.4 Packing group

ADR/RID, IMDG, IATA: Not applicable

14.5. Environmental hazards: No

14.6 Special precautions for user:

Not applicable.

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

Not applicable.

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

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out.

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:

Skin Sens. 1 H317 based on calculation method

LIST OF RELEVANT H-PHRASES IN SECTION 3

Hazard Statements:

H221 Flammable gas.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

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.

H318 Causes serious eye damage

H319 Causes serious eye irritation.

H330 Fatal if inhaled.

H331 Toxic if inhaled.

H335 May cause respiratory irritation

H411 Toxic to aquatic life with long lasting effects

EUH208 Contains (name of sensitising substance). May produce an allergic reaction.

Abbreviations:

Acute Tox. 2 Acute Toxicity, Category 2

Acute Tox. 3 Acute Toxicity, Category 3

Acute Tox. 4 Acute Toxicity, Category 4

Aquatic Acute 1 Aquatic Acute, Category 1

Aquatic Chronic 1 Aquatic Chronic, Category 1

Aquatic Chronic 2 Aquatic Chronic, Category 2

Eye Dam. 1 Eye Damage, Category 1

Eye Irrit. 2 Eye Irritation, Category 2

Flam. Gas 2 Flammable gas, Category 2

Skin Corr. 1B Skin Corrosion/irritation, Category 1B

Skin Irrit. 2 Skin Irritation, Category 2

Skin Sens. 1 Skin Sensitization, Category 1

STOT SE 3 Specific Target Organ Toxicity (single exposure), Category 3

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.