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

Date of Compilation/Revision: 28.10.2019.

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

1.1 Product identifiers: Water-base Bonding Primer
Type of substance: CLP Mixture
1.1 Relevant identified uses of the substance or mixture and uses advised against:
Universal primer
1.3 Details of the supplier of the safety data sheet:
Pentacolor Kft.
1103 Budapest, Gyömrõi 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
Water-base Bonding Primer
This product is not classified according to (EC) Regulation No 1272/2008.
Additional labelling:
EUH208 Contains 1,2-Benzisothiazol-3 (2H) –one, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) May cause an allergic reaction. .
EUH210 Safety data sheet available on request.
„Do not use a paint sprayer”.
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 (DEGBE)
concentration: < 3%
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-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)**
Registration number 01-2119980938-15-xxxx (as biocid is free)

Hazardous Substance(s): 1,2-benzisothiazol-3(2H)-one (BIT) (Substance with a trigger limit)
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. 4 oral 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%)

Substance(s) with occupational exposure limits: ammonia …%
concentration: < 0,001%
EC-No.: 215-647-6
CAS-No.: 1336-21-6
Index-No. : 007-001-01-2
Classification according to Regulation (EC) No 1272/2008 : Skin Corr. 1B H314, STOT SE 3 H335, Aquatic Acute 1 H400, Aquatic Chronic 3 H412 (SCL: STOT SE 3: H335: c >= 5% (Note B)

Hazardous Substance(s): Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) (C(M)IT-MIT) (Substance with a trigger limit)
concentration: < 0,001%
EC-No.: - (mixture)
CAS-No.: 55965-84-9
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. 1A H317, Eye Dam. 1 H318, Aquatic Acute 1 H400 (M = 10), Aquatic Chronic 1 H410 (M=1) (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 %)

Note B: Certain substances (acids, alkalis, etc.) are in the form of aqueous solutions of different concentrations and should therefore be labeled differently as the degree of danger varies depending on the concentration. The items supplemented with Note B has a general description : … % nitric acid. In this case, the supplier of the substance must indicate the concentration of the solution on the label. Unless otherwise stated, it is to be assumed that the percentage concentration is expressed as a percentage by weight.

(*) minimum classification for a category
** 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, 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:
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
Use extinguishing media that is suitable for the extinguishing of burning agents in the environment.
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, 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 vapours. Provide adequate ventilation.
Do not eat, drink or smoke while working. Wash hands before breaks and at the end of workday.
Do not use the product near sources of ignition.
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
Substances with occupational exposure limit values:
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)
Substances with occupational exposure limit values:
CAS 1317-65-3 calcium carbonate: 15 mg/m3 (total dust), 5 mg/m3 (repirable) OSHA PEL, TWA

112-34-5: diethylene glycol monobutyl ether
DNEL
worker:
Long-term exposure - systemic and local effects, Inhalation: 67.5 mg/m3, 10 ppm
worker:
Long-term exposure- systemic effects, dermal: 20 mg/kg
consumer:
Short-term exposure - local effects, Inhalation: 50.6 mg/m3, 7.5 ppm
consumer:
Long-term exposure - systemic and local effects, Inhalation: 34 mg/m3, 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.
If local risk assessment requires, weigh the concentration of the components in the air.
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: white
(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:
(k) Vapour pressure: not determined
(l) Vapour density: not determined
(m) Relative density: 1,2-1,4 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 (non-flammable / non-explosive liquid).
(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
(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.
(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 **(**not classified as dangerous for the environment.)

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-benzizotiazolin-3-on:

Readily biodegradable.

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

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

t ½: 1,28-2,1 d (OECD 308 in freshwater sediment)

t ½: 4,1 nap (OECD 309 biodegradable simulation in surface water))

Ammonia: Readily biodegradable

12.3 Bioaccumulative potential

Components:

Bronopol: in living body is not enriched up

BCF: 3,16 (calculated, EPIWIN).

Partition coefficient: n-octanol/water: log $K_{o/v}$:0,22 (OECD 107, S3658)

1,2-benzizotiazolin-3-on: Bioaccumulation is not expected.

Partition coefficient: n-octanol/water: log Ko/v = 0,7 (OECD 117, HPLC method

Bioconcentration factor, BCF (fish): 6,95 (OECD 305)

Ammonia: It does not accumulate biologically.

12.4 Mobility in soil

The product is water-soluble

Ammonia: It is absorbed in the soil.

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.
CAS 112-34-5: diethylene glycol monobutyl ether
The substance is subject to a labeling obligation (REACH Annex XVII.)
Restrictions according to REACH Annex XVII
55. 2-(2-butoxyethoxy)ethanol (DEGBE) CAS No.: 112-34-5 EC No.: 203-961-6
1. Shall not be placed on the market for the first time after 27 June 2010, for supply to the general public, as a constituent of spray paints or spray cleaners in aerosol dispensers in concentrations equal to or greater than 3 % by weight.
2. Spray paints and spray cleaners in aerosol dispensers containing DEGBE and not conforming to paragraph 1 shall not be placed on the market for supply to the general public after 27 December 2010.
3. Without prejudice to other Community legislation concerning the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that paints other than spray paints containing DEGBE in concentrations equal to or greater than 3 % by weight of that are placed on the market for supply to the general public are visibly, legibly and indelibly marked by 27 December 2010 as follows: 'Do not use in paint spraying equipment'.

The components of this product are included in the following notification lists; are exempted, or otherwise meet requirements: EINECS/ELINCS/NLP (EU), DSL/NDSL (Kanada), KECI (Dél-Korea), TSCA (USA).
The ingredients of this product are not included on California's 65 list

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
H-Phrases

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
H318 Causes serious eye damage
H319 Causes serious eye irritation
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
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.
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

This product is not classified according to (EC) Regulation No 1272/2008.- based on calculation method

Abbreviations:
Acute Tox. oral Acute Toxicity oral
Acute Tox. dermal Acute Toxicity dermal

Acute Tox. inhal Acute Toxicity inhalation
Skin Corr. Skin Corrosion
Skin Irrit. Skin Irritation
Skin Sens. Skin sensitization
Eye Dam. Eye Damage
Eye Irrit. Eye Irritation
STOT SE Specific target organ toxicity – single exposure
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

SCL: Specific Concentration limit
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 Réglement 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.