

Safety Data Sheet for not dangerous mixtures according to 878/2020 EU Regulation

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*SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier Metal leaf glue

Type of substance: CLP Mixture

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

Glue for hobby for professional and residential users.

1.3. Details of the supplier of the safety data sheet

Pentacolor Kft.

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fax: +36-1-262-1345

e-mail: info@pentacolor.hu

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

1.4. Emergency telephone number

https://echa.europa.eu/documents/10162/23019181/emergency_phone_numbers_en.pdf/d911af43-4bcf-9371-a59d-a20736d91e7d

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

Metal leaf glue

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

Additional labelling:

EUH208 Contains BIT, C(M)IT-MIT. May produce an allergic reaction.

2.3. Other hazards

It does not contain PBT/vPvB materials,

*SECTION 3: Composition/information on ingredients

3.2. Mixtures

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): 1,2-benzisothiazol-3(2H)-one (BIT) (Substance with trigger limit)

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 %)

Hazardous Substance(s): Zinc pyrithione (Substance with trigger limit)

concentration: < 0,015%

EC-No.: 236-671-3

CAS-No.: 13463-41-7

Index-No.: 613-333-00-7

Classification according to Regulation (EC) No 1272/2008 :: Repr. 1B 360D, Acute Tox. inhal 2 H330, Acute Tox. oral 3 H301, STOT RE 1 H372, Eye Dam. 1 H318, Aquatic Acute 1 H400 (M=1000), Aquatic Chronic 1 H410 (M=10) (SCL: inhalation: ATE = 0,14 mg/L (powder or mist) oral: ATE = 221 mg/kg)
Registration number 01-2119511196-46-xxxx (as biocid is free)

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: < 0,0015%
EC-No.: - (mixture)
CAS-No.: 55965-84-9
ECHA-No.: 611-341-5

Classification according to Regulation (EC) No 1272/2008 : Acute Tox. oral 3 H301, Acute Tox. dermal 2 H310, Acute Tox. inhal. 2 H330, Skin Corr. 1C H314, Skin Sens. 1A H317, Eye Dam. 1 H318, Aquatic Acute 1 H400 (M=100), Aquatic Chronic 1 H410 (M=100), EUH071 (SCL: Skin Corr. 1C H314: $c \geq 0,6 \%$, Skin Irrit. 2 H315: $0,06 \% \leq c < 0,6 \%$, Eye Dam. 1; H318: $C \geq 0,6 \%$ Eye Irrit. 2 H319: $0,06 \% \leq c < 0,6 \%$, Skin Sens. 1 H317: $c \geq 0,0015 \%$), Note B

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.

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

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

General protective and hygienic measures:

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.

If local risk assessment requires, weigh the concentration of the components in the air.

Personal protective equipment**Eye/face protection**

Use safety goggles against possible splashes or accidental contact.

Skin protection

Not required for normal handling and use. If required by the local risk assessment, use protective equipment during manufacture (eg chemical resistant gloves according to EN 374)

Body Protection

Not required for normal handling and use. If required by the local risk assessment, use protective equipment during manufacture (eg overalls or light work clothing.)

Respiratory protection

Not required for normal use. Where intense dust, vapor or aerosol is used during use dust mask and combined respirator for organic materials should be worn.

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) Physical state	viscous liquid
(b) Colour	product-specific
(c) Odour	characteristic
(d) Melting point/freezing point	not determined
(e) Boiling point or initial boiling point and boiling range	not determined
(f) Flammability	non-flammable liquid
(g) Lower and upper explosion limit	not applicable. (Non-flammable non-explosive liquid)
(h) Flash point	not determined
(i) Auto-ignition temperature	not determined
(j) Decomposition temperature	not determined
(k) pH	not determined
(l) Kinematic viscosity	not determined
(m) Solubility	miscible with water
(n) Partition coefficient n-octanol/water (log value)	not determined
(o) Vapour pressure	not determined
(p) Density and/or relative density	1,0 - 1,2 g/cm ³
(q) Relative vapour density	not determined
(r) Particle characteristics	Not applicable for fluid. It does not contain nanoparticles.

9.2. Other information

Non-explosive, non-oxidizing.

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 hazard classes as defined in Regulation (EC) No 1272/2008

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.

Components:

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

LD₅₀ (oral, rat): 490 mg/kg

LC₅₀ (inhalation): No data available

Zinc pyrithione

ATE = LD₅₀ (oral, rat): 221 mg/kg.

ATE = (inhalation): 0,14 mg/l.

Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

C(M)IT-MIT

LD₅₀ (oral, rat): 457 mg/kg.

LC₅₀ (inhalation): 1,23 mg/m³.

(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.

Components:

1,2-Benzisothiazol-3(2H)-on:

(Guinea pig) sensitising - S 2220 OECD 406 (MKA)

(Mouse) sensitising - S 523 (b) OECD 429 (LLNA)

(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 in the general classification limit values or concentration above.

(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 any components classified as aspiration toxicity.

11.2. Information on other hazards

No toxicological studies have been performed on the product.

***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

Components:

Zinc pyrithione

LC50 (Brachydanio rerio, 96 h): 0,0104 mg/l (OECD 203)

EC50 (Daphnia magna, 48 h): 0,051 mg/l (OECD 202)

EC50 (Pseudokirchneriella subcapitata, 72 h): 0,051 mg/l (OECD 201)

EC50 (Skeletonema costatum): 0,0013 mg/l (ISO 10253, literature)

EC50 (activated sludge 3 h): 2,8 mg/l (OECD 209)

EC20 (activated sludge, 3 h): 1,34 mg/l (OECD 209)

NOEC (Brachydanio rerio, 28 nap): 0,00125 mg/l (OECD 215)

NOEC (Daphnia magna, 21 nap): 0,0022 mg/l (OECD 211)

NOEC (Pseudokirchneriella subcapitata, 72 h): 0,0149 mg/l (OECD 201)

NOEC (Skeletonema costatum, 96 h): 0,00046 mg/l (OECD 201, literature data)

12.2. Persistence and degradability

Biodegradability

No relevant information available.

Components:

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

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 sediment (freshwater):

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

Zinc pyrithione

Readily biodegradable 0.5 days (aquatic sediment system simulation biodegradation).

12.3. Bioaccumulative potential

Components:

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

Bioaccumulation is not expected.

Partition coefficient: n-octanol/water: $\log K_{o/w} = 0,7$ (OECD 117, HPLC method)

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

Zinc pyrithione: in living body is not enriched up $\log K_{o/w}$: 1.21 (shaking funnel method)

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. Endocrine disrupting properties

No relevant information available.

12.7. 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 or ID 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 Observe the applicable safety data sheet.

14.7. Maritime transport in bulk according to IMO instruments 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.

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
- H310 Fatal 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.

H360D May damage fertility or the unborn child
H372 Causes damage to organs *<or state all organs affected, if known>* through prolonged or repeated exposure *<state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>*.
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.
EUH071 Corrosive to the respiratory tract.
EUH208 Contains (name of sensitising substance). May produce an allergic reaction.

*Changes from the previous version

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. 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.	Serious Eye Damage
Eye Irrit.	Eye Irritation
Repr.	Reproductive toxicity
STOT RE	Specific target organ toxicity - repeated exposure
Aquatic Acute	
Aquatic Chronic	

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 Règlement international concernant le transport des marchandises dangereuses par chemin de fer
IMDG International Maritime Code for Dangerous Goods
IMO International Maritime Organization
IBC Intermediate Bulk Container
IATA International Air Transport Association
ICAO International Civil Aviation Organization
PBT Persistent, Bioaccumulative, Toxic
vPvB very Persistent, very Bioaccumulative
ATE Acute Toxicity Estimate / body weight in kilograms
EC₅₀ Effective concentration 50 %
LC₅₀ Lethal Concentration 50 %
NOEC No Observed-effect concentration
LLNA Local Lymph Node Assay

BCF / BKF Bioconcentration factor

DOC Dissolved Organic Carbon

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.