

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 Acrylic Paint Metallic

Type of substance: CLP Mixture

Subtypes: Metallic / Pearl / Chameleon effect Pearl

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

Water-based metallic acrylic paint

1.3. Details of the supplier of the safety data sheet

1.1 Pentacolor Kft.

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

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

Acrylic Paint Metallic

(Metallic / Pearl / Chameleon effect Pearl)

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

Additional labelling:

EU.H208: Contains BIT, C(M)IT-MIT May cause 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.

Substances with occupational exposure limit values: Silicium-dioxide

concentration: 0-10%

EC-No.: --/238-878-4

CAS-No.: 112945-52-5/14808-60-7

Classification according to Regulation (EC) No 1272/2008: --

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

Substance with Community workplace exposure limit: Tin dioxide (C.I. 77861)
concentration: 0-0,5%
EC-No.: 242-159-0
CAS-No.: 18282-10-5
Classification according to Regulation (EC) No 1272/2008: --

Substance with Community workplace exposure limit: ammonia ...%
concentration: < 0,05%
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 (M=1), Aquatic Chronic 2 H411 (SCL: STOT SE 3: H335: c >= 5% (Note B)

Hazardous Substance(s): 1,2-benzisothiazol-3(2H)-one (BIT) (Substance with trigger limit)
concentration: < 0,04 %
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 (LD50 oral, rat: 490 mg/kg), 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
concentration: < 0,02%
EC-No.: 236-671-3
CAS-No.: 13463-41-7
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/ttkg)
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) C(M)IT-MIT
concentration: < 0,0012%
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 ≥ 0,6 %, Skin Irrit. 2 H315: 0,06 % ≤ c < 0,6 %, Eye Dam. 1; H318: C ≥ 0,6 % Eye Irrit. 2 H319: 0,06 % ≤ c < 0,6 %, Skin Sens. 1 H317: c ≥ 0,0015 %), Note B

* minimum classification for a category

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:

The nature of the product does not cause any significant exposure. Keep patient calm, remove to fresh air. If you feel unwell or have a complaint, call a physician.

Eye contact:

Wash affected eyes for at least 15 minutes under running water with eyelids held open. Seek medical attention if symptoms persist or develop symptoms.

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**

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

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, 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. Do not use this 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****Substance with Community workplace exposure limit:**

CAS 112-34-5: 2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether

Directive 2006/15/EC

8 hours limit value: 67,5 mg/m³ (10 ppm)

Short term limit value: 101,2 mg/m³ (15 ppm)

CAS 7664-41-7 ammonia

Directive 2000/39/EC

8 hours limit value: 14 mg/m³ (20 ppm)

Short term limit value: 36 mg/m³

CAS 18282-10-5 Tin(IV)-compounds, inorganic:

Directive EU91

8 mg/m³ with reference to the inhalable fraction (EU, AGS).

2 mg/m³ with reference to the inhalable fraction (EU).

The occupational exposure limit value refers to the element content of the corresponding Metal.

CAS 14808-60-7 Quartz, Siliciumdioxid, Silicon oxyde

Directive 2019/130/EU

Binding occupational exposure limit value of the European Union

8 hours limit value: 0,1 mg/m³

Scope: Silica, crystalline, (respirable fraction)

DNEL**112-34-5: 2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether**

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.

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

Not required for normal use. Where in use intense vapor or aerosol respirator for organic materials should be worn.

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 (> 61 °C)
- (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 7-8,5
- (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 1,05-1,25 g/cm³
- (q) Relative vapour density not determined
- (r) Particle characteristics Not applicable for fluid. It does not contain nanoparticles.

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 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:

Zinc pyrithione

ATE (inhalation, powder or mist): 0,14 mg/l.

ATE (oral): 221 mg/ttkg.

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

LD50 (oral, rat): 490 mg/kg

(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

diethylene glycol monobutyl ether, DEGBE

irritant (OECD 405)

(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

(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

(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

We do not yet have information on symptoms and effects. No toxicological studies have been performed on the product.

*SECTION 12: Ecological information

12.1. Toxicity

Based on available data, the classification criteria are not met

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 data)

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 d): 0,00125 mg/l (OECD 215)

NOEC (Daphnia magna, 21 d): 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.

2-(2-butoxyethoxy)ethanol; 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)

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

Readily biodegradable

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

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

t_{1/2}: 1,28-2,1 days (OECD 308 in freshwater sediment)

t_{1/2}: 4,1 days (OECD 309 biodegradability simulation in surface water)

Zinc pyrithione:

Readily biodegradable

> 85 % (OECD 303A, activated sludge)

t_{1/2}: 0,5 d (OECD 308 biodegradability simulation in sediment (freshwater)

Ammonia: Readily biodegradable

12.3. Bioaccumulative potential

2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether:

Significant accumulation in organisms is not to be expected.

1,2-benzisothiazol-3(2H)-one: Bioaccumulation is not expected.

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

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

Zinc pyrithione: Bioaccumulation is not expected

log K_{o/v}: 1,21 (OECD 107, shaking method)

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. Endocrine disrupting properties

No relevant information available.

12.7. Other adverse effects

Not known. There are no data available on the preparation itself.

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.

Restrictions according to REACH Annex XVII

2-(2-butoxyethoxy)ethanol (DEGBE) CAS No.: 112-34-5 > 3% "Do not use in paint spraying equipment". (does not apply to the product)

The product contains < 9% titanium dioxide, for which the harmonized classification cannot be applied according to the raw material manufacturer's tests, so it is not dangerous.

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).

California's 65 list: The product contains <0.15% Pigment Black 7.

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**

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.
 H335 May cause respiratory irritation
 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:
 based on calculation method

Abbreviations:

Acute Tox. Acute Toxicity
 Skin Corr. Skin Corrosion
 Skin Irrit. Skin Irritation
 Skin Sens. Skin Sensitization
 Eye Dam. Eye Damage
 Eye Irrit. Eye Irritation
 Repr. Reproductive toxicity
 STOT SE Specific target organ toxicity – single exposure
 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.