

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

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

1.1 Product identifiers: Art Mica

Type of substance: CLP Mixture

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

Pearl Pearlescent Pigment

1.3 Details of the supplier of the safety data sheet:

ANILIN Zrt.

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e-mail: anilin@anilin.hu

For product safety information please contact: msds@anilin.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

Art Mica

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

2.3 Other hazards:

Long-term or repeated exposure to lung damage can cause.

Inhalation of dust may cause respiratory tract irritation, coughing and breathing difficulties. Contact with the eyes or skin may cause mechanical irritation.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixture:

Substance(s) with occupational exposure limits: Titanium Oxide(TiO₂) (C.I. 77891)

concentration: 2-70%

EC-No.: 236-675-5

CAS-No.: 13463-67-7

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

Registration-No: A registration number is not available for these substances as the substances or its uses are exempted from registration, the annual tonnage does not require a registration, or the registration is envisaged for a later registration deadline.

Substance(s): synthetic fluorophlogopite

concentration: 0-95%

EC-No.: 234-426-5

CAS-No.: 12003-38-2

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

Registration-No: A registration number is not available for these substances as the substances or its uses are exempted from registration, the annual tonnage does not require a registration, or the registration is envisaged for a later registration deadline.

Substance(s): iron (III) dioxide (C.I.77491)

concentration: 0-65%

EC-No.: 215-168-2

CAS-No.: 1309-37-1

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

Registration-No: A registration number is not available for these substances as the substances or its uses are exempted from registration, the annual tonnage does not require a registration, or the registration is envisaged for a later registration deadline.

Substance(s): Cobalt (III) oxide

concentration: 0-4%

EC-No.: 215-156-7

CAS-No.: 1308-04-9

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

Registration-No: A registration number is not available for these substances as the substances or its uses are exempted from registration, the annual tonnage does not require a registration, or the registration is envisaged for a later registration deadline.

Substance(s): Direct Red 80 (CAS: 2610-10-8)

concentration: < 1%

EC-No.: 220-027-3

CAS-No.: 2610-10-8

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

Registration-No: A registration number is not available for these substances as the substances or its uses are exempted from registration, the annual tonnage does not require a registration, or the registration is envisaged for a later registration deadline.

Substance(s) with occupational exposure limits: Tin oxide (C.I. 77861)

concentration: 0- < 2%

EC-No.: 242-159-0

CAS-No.: 18282-10-5

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

Registration-No: A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration. or the registration is envisaged for a later registration deadline.

Substance(s): Silicon Oxide (SiO₂)

concentration: 0-50%

EC-No.: 238-878-4

CAS-No.: 14808-60-7

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

Registration-No: A registration number is not available for these substances as the substances or its uses are exempted from registration, the annual tonnage does not require a registration, or the registration is envisaged for a later registration deadline.

Substance(s): Mica (C.I.77019)

concentration: 0-80%

EC-No.: 310-127-6

CAS-No.: 12001-26-2

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

Registration-No: A registration number is not available for these substances as the substances or its uses are exempted from registration, the annual tonnage does not require a registration, or the registration is envisaged for a later registration deadline.

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. If irritation persists, seek medical attention.

Ingestion:

If large quantities are ingested seek medical advice. Rinse mouth and then drink plenty of water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Not a hazard under normal use conditions.

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

From symptoms and effects we do not 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

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Not to be used : Not known.

5.2 Special hazards arising from the substance or mixture

Not available. The product is not flammable. Not a fire or explosion hazard.

5.3 Advice for firefighters

Wear self-contained breathing apparatus and protective clothing.

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. Avoid inhalation of dusts. Avoid generation of dusts.

Ensure adequate ventilation.

6.2 Environmental precautions

Do not allow to enter drains or watercourses.

6.3 Methods and materials for containment and cleaning up

Take-up dry. Clean up spills immediately.

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

Avoid contact with skin and eyes. Do not breathe powder. Provide adequate ventilation.

Washing thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a cool, well-ventilated place. No special requirements

7.3 Specific end uses

See section 1.2

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

CAS 13463-67-7 Titanium Oxide(TiO₂) (TRGS 900)

1,25 mg/m³ with reference to the respirable fraction

10 mg/m³ with reference to the inhalable fraction

CAS 18282-10-5 Tin(IV) oxide

Tin(II)-compounds, inorganic calculated as tin (TRGS 900)

8 mg/m³ with reference to the respirable fraction

Tin(IV)-compounds, inorganic calculated as tin (TRGS 900)

2 mg/m³ with reference to the respirable fraction

Appropriate engineering controls

Use adequate general or local ventilation to minimize dust generation.

General protective and hygienic measures:

Handle in accordance with good industrial hygiene and safety practice. Due to the colouring properties of the product closed work clothes should be used, to avoid stains during manipulation. Hands and/or face should be washed before breaks and at the end of the shift. Wash soiled clothing immediately.

Personal protective equipment

Eye/face protection

Safety glasses with side-shields.

Skin protection

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to be manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Body Protection

Plastic apron, sleeves, boots - if handling large quantities.

Respiratory protection

Dust respirator (when dusts are generated). Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator. Observe OSHA regulations for respirator use (29 CFR 1910.134).

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- (a) Appearance: powder, Colour: product-specific
- (b) Odour: odourless
- (c) Odour threshold: not determined
- (d) pH: cc. 4-11 (10% aqueous suspension).
- (e) Melting point/freezing point: decomposes
- (f) Initial boiling point and boiling range: not applicable
- (g) Flash point: not determined
- (h) Evaporation rate: not determined
- (i) Flammability (solid, gas): non-flammable
- (j) Upper/lower flammability or explosive limits: non-flammable/non-explosive
- (k) Vapour pressure: not applicable
- (l) Vapour density: not applicable
- (m) Relative density: 2.5-3.5 g/cm³
- (n) Solubility(ies): insoluble in water
- (o) Partition coefficient: n-octanol/water: not determined
- (p) Auto-ignition temperature: product is not self-igniting
- (q) Decomposition temperature: not determined
- (r) Viscosity: not applicable
- (s) Explosive properties: product is not explosive.
- (t) Oxidising properties. no data

9.2. Other information

Acid and alkali resistance under the normal temperatures.

Range of particle size: 10-250µm

SECTION 10. STABILITY AND REACTIVITY**10.1 Reactivity**

Corrosion to metals: No corrosive effect on metal.

10.2 Chemical stability

Stable under recommended storage and handling conditions. Polymerization: Will not occur.

10.3 Possibility of hazardous reactions

No dangerous reaction in normal use.

10.4 Conditions to avoid

Not known.

10.5 Incompatible materials

Not known.

10.6 Hazardous decomposition products

Not known in normal use.

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

LD50/oral/rat: > 2000 mg/kg

The product has not been tested. The statement has been derived from the properties of the individual components.

(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

The product does not contain components of reproductive toxicity.

(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

Most important health effects: After skin contact: Skin: May cause mechanical irritation. Eye: May cause mechanical irritation. Prolonged or repeated exposure to dust may cause pulmonary problems.

Further toxicological info

The results of animal experiments using pearl luster pigment of this type indicate no toxicological relevant properties. Since the substance is poorly absorbed, no systemic effects are to be anticipated. Inhalation of dusts should be avoided as even inert dusts may impair respiratory organ functions. No evidence of carcinogenic properties. No evidence of mutagenic or teratogenic effects.

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

Heavy metal content: Pb < 5ppm, As <2ppm, Hg < 1ppm.

Water hazard class 1 (German Regulation)(Self-assessment):slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.2 Persistence and degradability

No further relevant information available.

Biodegradability

No further relevant information available.

12.3 Bioaccumulative potential

No further relevant information available.

12.4 Mobility in soil

No further relevant information available.

12.5 Results of PBT and vPvB assessment

No further relevant information available.

12.6 Other adverse effects

At the present state of knowledge, no negative ecological effects are expected. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations. The product has not been tested. The statement has been derived from the properties of the individual components.

SECTION 13. DISPOSAL CONSIDERATIONS**13.1 Waste treatment methods**

Dispose of in a manner consistent with federal, state and local legislation and regulations.

Must be disposed of or incinerated in accordance with local 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.

Sara:**Section 335 (extremely hazardous substances):**

None of the ingredients is listed.

Section 313 (specific toxic chemical listings):

None of the ingredients is listed.

Proposition 65**Chemical known to cause cancer:**

None of the ingredients is listed.

Chemical known to cause reproductive toxicity for females:

None of the ingredients is listed.

Chemical known to cause developmental toxicity:

None of the ingredients is listed.

Carcinogenicity categories

EPA(Environmental Protection Agency)

None of the ingredients is listed.

NTP(National toxicology Program)

None of the ingredients is listed.

OSHA-Ca(Occupational Safety & Health Administration)

None of the ingredients is listed.

Labelling according to EU guidelines:

Observe the general safety regulations when handling chemicals.

The product has not been classified and marked in accordance with EU Directives/respective national laws.

The product is not subject to identification regulations under EU Directives and the Ordinance on

Hazardous Materials

The product has not classified as dangerous according to Directive 67/548/EEC, 1999/45/EC and Regulation (EC) No.1272/2008.

National regulations

Candidate List of Substance of very high concern(SVHC) according ECHA (18/06/2010)

None of the ingredients is listed

REACH Regulation Annex XVII Restrictions List :None of the ingredients is listed

REACH Regulation Annex XVII Authorization Recommendation List: None of the ingredients is listed

15.2 Chemical Safety Assessment

Chemical safety assessment has not been carried out/not required.

SECTION 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:

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

Changes from the previous version: Item 2. 3. 4. 5. 7. 8. 9. 10. 11. 12. 15.

Abbreviations:

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.