

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

1.1. Product identifier

Product name: MARMOLINE POWDER COLOUR BLUE

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

Intended use: Natural colorants (pigments) in powder

1.3. Details of the supplier of the safety data sheet

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364 Kifisias Av.

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Phone.: +30 22950 22225 -

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info@marmoline.gr

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1.4. Emergency telephone number

+30 22950 22225 / Greek poison center +30 2107793777

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture:

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]: Not classified

Classification according to Directive 67/548/EEC [DSD]: Not classified

Label elements:

Hazard pictograms: Not applicable

Signal words: No signal word

Other hazards:

Avoid inhalation of dusts.

Use with local exhaust ventilation.

Wear protective clothing.

Eye wash fountains and safety showers must be easily accessible..

Primary routes of exposure

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Acute toxicity:

Virtually nontoxic after a single ingestion.

Irritation:

Not irritating to the skin. Not irritating to the eyes.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CAS Number	Content (W/W)	Chemical name
1345-16-0	≥ 75.0 - ≤ 85.0 %	PIGMENT BLUE 28
	≥ 8.0 - ≤ 13.0 %	Proprietary, non-hazardous
	≥ 8.0 - ≤ 13.0 %	Proprietary polymer additive
	≥ 75.0 - ≤ 85.0 %	COBALT COMPOUNDS

SECTION 4: FIRST AID MEASURES

General advice:

Remove contaminated clothing.

If inhaled:

If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention

Wash thoroughly with soap and water.

If in eyes:

Wash affected eyes for at least 15 minutes under running water with eyelids held open.

Seek medical attention.

If swallowed:

Rinse mouth and then drink plenty of water. Do not induce vomiting. Immediate medical attention required.

Note to physician

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

SECTION 5: FIREFIGHTING MEASURES

Flammability: does not ignite

Suitable extinguishing media: dry extinguishing media, foam

Unsuitable extinguishing media for safety reasons: carbon dioxide

Additional information: Avoid whirling up the material/product because of the danger of dust explosion.

Hazards during fire-fighting:

harmful vapours

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:

Dusty conditions may ignite explosively in the presence of an ignition source causing flash fire.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions:

Avoid dust formation. Use personal protective clothing.

Environmental precautions:

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Cleanup:

Avoid raising dust.

For small amounts: Pick up with suitable appliance and dispose of.

For large amounts: Contain with dust binding material and dispose of.

SECTION 7: HANDLING AND STORAGE

Handling

General advice:

Closed containers should only be opened in well-ventilated areas.

Protection against fire and explosion:

Avoid dust formation. Take precautionary measures against static discharges.

Storage

General advice:

Keep container tightly closed and dry; store in a cool place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

Respiratory protection:

Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator.

Hand protection:

Chemical resistant protective gloves

Eye protection:

Safety glasses with side-shields.

General safety and hygiene 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.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Form:	granules
Odour:	odourless
Colour:	blue
pH value:	8 - 10 (100 g/l)
Bulk density:	800 - 1,200 kg/m ³
Miscibility with water:	miscible

SECTION 10: STABILITY AND REACTIVITY**Hazardous reactions:**

The product may contain explosive fine dust or such dust may be produced by abrasion during transport or product transfer.

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

No decomposition if used as directed.

SECTION 11: TOXICOLOGICAL INFORMATION**Acute toxicity****Oral:**

LD50/rat: > 2,000 mg/kg

Skin irritation:

rabbit: non-irritant (OECD Guideline 404)

Eye irritation :

rabbit: non-irritant (OECD Guideline 405)

Chronic toxicity**Other information:**

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

SECTION 12: ECOLOGICAL INFORMATION**Environmental fate and transport****Biodegradation:**

Evaluation: The colourant is insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plant

Adsorbable organically-bound halogen (AOX):

This product contains no organically-bound halogen.

Environmental toxicity**Acute and prolonged toxicity to fish:**

golden orfe/LC50 (96 h): > 100 mg/l

Toxicity to microorganisms:

bacteria/EC10: > 100 mg/l

The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations.

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Other ecotoxicological advice:

The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual components.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste disposal of substance:

Do not discharge into drains/surface waters/groundwater.
Dispose of in accordance with national, state and local regulations.

Container disposal:

Dispose of in accordance with national, state and local regulations. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

RCRA: None

SECTION 14: TRANSPORT INFORMATION

This product is not regulated for transport (ADR/RID,IMDG,IATA)

Not dangerous cargo

Keep separated from foodstuffs.

SECTION 15: REGULATORY INFORMATION

EU Regulation (EC) No. 1907/2006 (REACH)

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles: Not applicable

OSHA hazard category: No data available.

SARA hazard categories (EPCRA 311/312): Not hazardous

SECTION 16: OTHER INFORMATION

HMIS III rating

Health: 1 Flammability: 1 Physical hazard: 0

HMIS uses a numbering scale ranging from 0 to 4 to indicate the degree of hazard. A value of zero means that the substance possesses essentially no hazard; a rating of four indicates high hazard.

Abbreviations and acronyms:

- CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.1272/2008]
- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- REACH: EC Regulation 1907/2006

The information contained in this security data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this security data sheet only refers to this product, which should not be used for needs other than those specified.

- END OF SAFETY DATA SHEET -