

1. Identification of the Substance/Preparation and of the Company/Undertaking

Identification of the Product

Product Name: Bristol-Yellow reddish
Article No.: 43131
Use of the Substance/Preparation: Artists' and Restoration Material

Company

Company: Kremer Pigmente GmbH & Co. KG
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2. Hazard Identification

Hazard designation: None known.

3. Composition/Information on Ingredients

Chemical Characterization: Artificial mineral pigment, mixed crystal of the bismuth-vanadium oxide system.
Hazardous Ingredients: Zinc phosphate (N; R50/53) 3 - 4 %
CAS-Nr: 7779-90-0 EINECS-Nr: 231-944-3 EC-Nr: 030-011-00-6
Fine dust of Bismuth vanadate pigments. Content: ≤1 % (Xn; R48/20).

4. First Aid Measures

After inhalation: Remove person to fresh air. In case of complaints consult a physician.
After skin contact: Wash with soap and rinse with plenty of water.
Remove contaminated clothing.
After eye contact: Rinse open eyes with plenty of water for at least 15 minutes.
After ingestion: Rinse mouth with water and drink plenty of water.
Information for physician: Symptomatic treatment (decontamination, vital functions), no specific antidote known.

5. Fire-Fighting Measures

Suitable extinguishing media: Foam, extinguishing powder, water spray.
Protective equipment: Use self-containing breathing apparatus.
Special hazards: In case of fire: hazardous vapors may be released. Development of fumes/aerosol.
Further information: Dispose of fire debris and contaminated extinguishing water in accordance with local regulations.

6. Accidental Release Measures

Personal precautions: Wear protective clothing.
Environmental precautions: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Methods of cleaning/absorption: Clean up with suitable appliance and dispose adequately.

7. Handling and Storage

Handling

Instructions on safe handling: No special measures necessary if properly handled.

Information on fire and explosion protection: No special measures necessary.

Storage

Storage conditions: Store in tightly sealed containers in a dry and cool room.

8. Exposure Controls/Personal Protection

Components with workplace control parameters (Germany): Fine dust of the bismuth vanadate pigments: 0.1 mg/m³ (BASF recommendation).

Personal protective equipment

General protective measures: The usual precautionary measures are to be adhered to when handling chemicals.
Protective clothing recommended due to the coloring effects of the product.

Respiratory protection: In case of low concentration or short-term exposure of dust: particle filter EN 143 or 149, type P2 or FFP2 (for solid and liquid particles).

Hand protection: Chemical protective gloves (EN 374).
The manufacturer's directions for use should be observed because of the great diversity of types.

Protective glove material: Recommended: Protective index 6, > 480 min. permeation time accord. EN 374.
Nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinyl chloride (0.7 mm).

Eye protection: Safety glasses with protective shields (EN 166).

9. Physical and Chemical Properties

Form: fine granules
Color: yellow
Odor: odorless
Boiling temperature: not applicable
Bulk density: 300 - 700 kg/m³
Solubility in water: insoluble
pH-Value: 6 - 8

10. Stability and Reactivity

Hazardous reactions: None if handled and stored according to specifications.
Hazardous decomposition products: None if stored and handled according to specifications.

11. Toxicological Information

Acute toxicity

LD50, oral: > 5000 mg/kg (rat)

LD50, inhalation:	> 5.1 mg/l (4h, rat)
<i>Primary effects</i>	
Irritant effect on skin:	Non irritating (rabbit)
Irritant effect on eyes:	Non-irritating to eyes (rabbit)
Sensitization:	No sensitizing effect (guinea pig).
Further toxicological effects:	Product is slightly bioavailable (inhalation experiments, rat). The data refer to the properties of the individual components.

12. Ecological Information

Elimination (Persistency and Degradability):	The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.
Mobility and Bioaccumulation:	Product includes heavy metal(s). Prevent release into the environment. Special pretreatment required.
<i>Ecological effects</i>	
Aquatic toxicity:	:
- Fish toxicity:	NOEC, Brachydanio rerio (96h): 10 000 mg/l
- Bacteria toxicity:	EC50: > 10 000 mg/l (16h, Pseudomonas putida)
Further ecological effects:	The data refer to the properties of the individual components.
<i>Further information</i>	
Water hazard class:	1

13. Disposal Considerations

Product:	In accordance with current regulations, product may be taken to a waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority.
Uncleaned packaging:	Clean packaging material can be recycled. Dispose according to product.

14. Transport Information

Further information:	Not classified as a dangerous good under transport regulations.
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15. Regulatory Information

Designation according to EC guidelines:	The material is not subject to classification according to EC lists.
Water hazard class:	1, slightly hazardous for water

16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations.

This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.