Material Safety Data Sheet
According to regulation (EC) No. 1907/2006 (REACH)

43915  Bismuth-Vanadate Yellow, light

Identification of the Substance/Mixture and of the Company/Undertaking

1. 1. Product Identifier

Product Name:  Bismuth-Vanadate Yellow, light
Article No.:  43915

1. 2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:  Pigment

Uses advised against:

1. 3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

Company:  Kremer Pigmente GmbH & Co. KG
Address:  Hauptstr. 41-47, 88317 Aichstetten, Germany
Tel./Fax.:  Tel +49 7565 914480, Fax +49 7565 1606
Internet:  www.kremer-pigmente.de
EMail:  info@kremer-pigmente.de
Importer:  --

1. 4. Emergency No.

Emergency No.:  +49 7565 914480 (Mon-Fri 8:00 - 17:00)

Hazards Identification

2. 1. Classification of the Substance or Mixture

Classification according to EC Regulation 1272/2008
This product does not require classification and labelling as hazardous according to CLP/GHS.

Classification according to EC Regulation No. 67/548 or No. 1999/45
The material is not subject to classification according to EC lists.

Safety Phrases:
Possible Environmental Effects:

2. 2. Label Elements

Classification according to EC Regulation 1272/2008
No classification required according to the CLP/GHS guidelines.

Hazard designation:  Not applicable.

Signal word:

Hazard designation:
Safety designation:
Hazardous components for labelling:

Composition/Information on Ingredients

3.2. Hazardous Ingredients:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information: No special measures required.

After inhalation: Supply fresh air. Consult physician if symptoms persist.

After skin contact: This product is in general not irritating to the skin.

After eye contact: Rinse open eyes with plenty of water. In case of discomfort seek medical help.

After ingestion: Rinse mouth thoroughly with plenty of water and drink plenty of water. Consult a physician.

4.2. Most important Symptoms and Effects, both Acute and Delayed

Symptoms: No further information available.

Effects: No further information available.

4.3. Indication of any Immediate Medical Attention and special Treatment needed

Treatment: No further information available.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media: CO2, extinguishing powder, water jet.

Fight larger fire with water jet or alcohol resistant foam.

Unsuitable extinguishing media: Water with full jet.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards: No information available.

5.3. Advice for Firefighters

Protective equipment:
6. **Accidental Release Measures**

6.1. **Personal Precautions, Protective Equipment and Emergency Procedures**

*Personal precautions:*  
Avoid formation of dust.  
Respiratory protection in case of formation of vapors/dust/aerosol.  
Wear protective clothing.

6.2. **Environmental Precautions**

*Environmental precautions:*  
Prevent contamination of soils, drains and surface water.

6.3. **Methods and Material for Containment and Cleaning Up**

*Methods and material:*  
Take up mechanically.

6.4. **Reference to other Sections**

For information for safe handling see Section 7.  
Protective clothing, see Section 8.  
See Section 13 for information on disposal.

7. **Handling and Storage**

7.1. **Precautions for Safe Handling**

*Instructions on safe handling:*  
No special measures required.

*Hygienic measures:*  
No further measures, see Section 8.

7.2. **Conditions for Safe Storage, including any Incompatibilities**

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

*Requirements for storage areas and containers:*  
Information on fire and explosion protection:  
Product is not combustible.  
No special measures necessary.

*Storage class (VCI):*

*Further Information:

7.3. **Specific End Use(s)**

*Further information:

8. **Exposure Controls/Personal Protection**

8.1. **Parameters to be Controlled**
43915  Bismuth-Vanadate Yellow, light

Parameters to be controlled (DE):

none known

Parameters to be controlled:

Derived No-Effect Level (DNEL):

Predicted No-Effect Concentration (PNEC):

Additional Information:

8.2. Exposure Controls

Technical protective measures:

No further measures, see Section 7.

Personal Protection

General protective measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.

Do not inhale dust/fumes/mist.

Respiratory protection:

In case of long-term or higher exposure.

Hand protection:

Protective gloves. The glove material has to be impermeable and resistant to the product / substance / preparation.

Protective glove material:

Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material and dexterity. Always seek advice from glove suppliers.

Please note the manufacturers’ detailed statements, especially about the minimum thickness and the minimum breakthrough time.

Eye protection:

Safety glasses (EN 166)

Body protection:

Protective clothing.

Environmental precautions:

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form: powder
Color: bright yellow
Odor: odorless
Odor threshold: No information available.

pH-Value: 8 (20°C)
Melting temperature: not determined

Boiling temperature: not determined

Flash point: not applicable

Evaporation rate: not applicable

Flammability (solid, gas): non-combustible

Upper explosion limit: not determined

Lower explosion limit: not determined

Vapor pressure: not applicable

Vapor density: No information available.

Density: 5.5 g/cm³

Solubility in water: insoluble

Coefficient of variation (n-Octanol/Water): not determined

Auto-ignition temperature: Product is not auto-ignitable.

Decomposition temperature: not determined

Viscosity, dynamic: not applicable

Explosive properties: Product does not present an explosion hazard.

Oxidizing properties: No information available.

Bulk density:

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic

Burning class:

Solvent content:

Solid content:
10. Stability and Reactivity

10.1. Reactivity

Stable if used according to specifications.

10.2. Chemical Stability

No decomposition if used according to specifications.

10.3. Possibility of Hazardous Reactions

Unknown.

10.4. Conditions to Avoid

Conditions to avoid:

No information available.

Thermal decomposition:

No information available.

10.5. Incompatible Materials

None known.

10.6. Hazardous Decomposition Products

None known.

10.7. Further Information

11. Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity

No toxicity expected.

LD50, oral:

LD50, dermal:

LC50, inhalation:

Primary effects

Irritant effect on skin:

Non irritating

Irritant effect on eyes:

Non-irritating to eyes

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

No sensitizing effects known.

Mutagenicity:

No mutagenic effects known.

Reproductive toxicity:

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No reproductive toxicity expected.

Cancerogenity: No cancerogenic effect known.

Teratogenicity: No teratogenic effects expected.


Additional toxicological information: Product is non-toxic.

12. Ecological Information

12. 1. Aquatic Toxicity

Fish toxicity: No toxicity expected.

Daphnia toxicity:

Bacteria toxicity:

Algae toxicity:

12. 2. Persistency and Degradability

No information available.

12. 3. Bioaccumulation

12. 4. Mobility

No information available.

12. 5. Results of PBT- und vPvP Assessment

Not applicable.

12. 6. Other Adverse Effects

Water hazard class: 1, slightly hazardous (German Regulation; Self-assessment). Do not allow undiluted product or large quantities of it to reach ground water, waterways or sewage system.

Behaviour in sewage systems:

Further ecological effects:

AOX Value:

13. Disposal Considerations

13. 1. Waste Treatment Methods

Product: Dispose of according to official national and local regulations.

European Waste Code (EWC):

Uncleaned packaging: Packaging may be disposed of in the same manner as the product.
14. Transport Information

14.1. UN Number
ADR, IMDG, IATA

14.2. UN Proper Shipping Name

ADR/RID:
No hazardous goods according to ADR (land transportation).

IMDG/IATA:
No hazardous goods according to IMDG.

14.3. Transport Hazard Classes

ADR Class:
not applicable

Hazard no.:
Classification code:
Tunnel no.:
IMDG Class (sea):
Hazard no.:
EmS No.:
IATA Class:
not applicable

Hazard no.:

14.4. Packaging Group

ADR/RID:
not applicable

IMDG:

IATA:

14.5. Environmental Hazards

Not classified as environmentally hazardous.

14.6. Special Precautions for User

Not classified as a dangerous good under transport regulations.

14.7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

not applicable

14.8. Further Information

15. Regulatory Information

15.1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

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

Local regulations on chemical accidents:
Employment restrictions:

Restriction and prohibition of application:

Technical instructions on air quality:

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has been carried out for this product.

15.3. Further Information

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.