

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



360094 Color Paste - Indigo, synthetic

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Revised edition: 11.05.2020

Version: 2.4

Printed: 13.10.2023

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

1.1. Product Identifier

Product Name: Color Paste - Indigo, synthetic

Article No.: 360094

UFI: --

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

Identified uses:
Textile dye

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.com

E-Mail: info@kremer-pigmente.com

Importer: --

1.4. Emergency No.

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

1.4.2 Poison Center:

2. Hazards Identification

2.1. Classification of the Substance or Mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

H317

Cat.: 1

Skin sensitization, hazard category 1

May cause an allergic skin reaction.

Possible Environmental Effects:

2.2. Label Elements

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

This product is classified and labelled according to CLP/GHS regulations.

Hazard designation:



GHS07-1

Signal word:

Warning

Hazard designation:

May cause an allergic skin reaction.

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H317

Safety designation:

P261	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/ clothing/ eye/ face protection.
P302+P352	If on skin: Wash with soap and water.
P333+P313	If skin irritation or rash occurs: Get medical attention.
P363	Wash contaminated clothing before reuse.
P501	Dispose of contents/ container according to regional, national and international regulations.

Hazardous components for labelling:

2.3. Other Hazards

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization: Vat dye, aqueous formulation. C.I. VAT Blue 1

Information on Components / Hazardous Ingredients:

Polyaryphenole, ethoxylated (H412)	1 - 5 %	CAS-Nr: 99734-09-5 EINECS-Nr: EC-Nr:
Glutaraldehyde (H301-314-317-330-334-335-400-411)	< 0.1 %	CAS-Nr: 111-30-8 EINECS-Nr: 203-856-6 EC-Nr: 605-022-00-X
2-Methyl-2H-isothiazol-3-one (H301-311-314-317-330-400-410); Spec.Conc. limit: H317: C> 0.0015%; REACH Reg. No. 01-2120764690-50	< 0.05 %	CAS-Nr: 2682-20-4 EINECS-Nr: 220-239-6 EC-Nr:
1,2-Benzisothiazol-3(2H)-one (H302-315-317-318-400 (M=1)-411); Spec. conc. limits: H317 >= 0.05 %; REACH Reg. No. 01-2120761540-60	< 0.03 %	CAS-Nr: 2634-33-5 EINECS-Nr: 220-120-9 EC-Nr: 613-088-00-6

Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Remove contaminated clothes immediately.

After inhalation:

Supply fresh air. Consult physician if symptoms persist.

After skin contact:

Remove contaminated clothing immediately. Wash off immediately

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with plenty of water and soap.

In case of skin irritation consult physician.

After eye contact:

Rinse open eyes with plenty of water. In case of discomfort seek medical help.

After ingestion:

Immediately give plenty of water (if possible charcoal slurry).

If symptoms persist consult physician.

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

Symptoms:

No further information available.

Effects:

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:

Foam, carbon dioxide (CO₂), extinguishing powder, water spray jet.

Unsuitable extinguishing media:

None known.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

No special hazards.

5.3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Further information:

Contaminated extinguishing water and debris should be disposed of according to local regulations.

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

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:

Contain with absorbent material (sand, diatomaceous earth, acid

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binder, universal absorbent) and dispose accordingly.

6.4. Reference to other Sections

See Section 13 for information on disposal.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

Keep containers tightly closed.

Protect against heat and drying-out.

Hygienic measures:

Keep away from foodstuffs and drinks.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store the product in the original tightly sealed containers in a dry and cool place.

Store at temperatures between 0 and 60°C.

Requirements for storage areas and containers:

Store the product in the original container.

Information on fire and explosion protection:

No special measures necessary.

Storage class:

12; Non-combustible liquids (TRGS 510)

Further Information:

7.3. Specific End Use(s)

Further information:

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

Glutaral (CAS 111-30-8), TLV: 0.2 mg/m³; 0.05 ppm, 2 (I)

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:

Do not inhale gas/fumes/vapor/aerosol.

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*Avoid contact with eyes and skin.
Remove contaminated clothing immediately.
Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work.*

Respiratory protection:

Not required.

Hand protection:

Protective gloves

Protective glove material:

Nitrile rubber (NBR), polyvinyl chloride (PVC).

Eye protection:

Safety glasses with protective shields (EN 166).

Body protection:

Protective clothing.

Environmental precautions:

Do not allow entering sewerage system.

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form: liquid

Color: blue

Odor: product specific

Odor threshold: no information available

pH-Value: 6 - 9 (20°C)

Melting temperature: not available

Boiling temperature: ca. 100°C

Flash point: > 100°C

Evaporation rate: not applicable

Flammability (solid, gas): not applicable

Upper explosion limit: no information available

Lower explosion limit: no information available

Vapor pressure: not applicable

Vapor density: No information available.

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Density:	1.1 g/cm ³ (20°C)
Solubility in water:	practically insoluble
Coefficient of variation (n-Octanol/Water):	not determined
Auto-ignition temperature:	not applicable
Decomposition temperature:	not determined
Viscosity, dynamic:	not determined
Explosive properties:	not applicable
Oxidizing properties:	none
Bulk density:	

9.2. Further Information

Solubility in solvents:	
Viscosity, kinematic:	
Burning class:	
Solvent content:	
Solid content:	
Particle size:	
Other information:	

No further information.

10. Stability and Reactivity

10.1. Reactivity	Stable if used according to specifications.
10.2. Chemical Stability	Stable if used according to specifications.
10.3. Possibility of Hazardous Reactions	None if handled and stored according to specifications.
10.4. Conditions to Avoid	
Conditions to avoid:	No further information available.
Thermal decomposition:	
10.5. Incompatible Materials	None known.
10.6. Hazardous Decomposition Products	None known.

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10.7. Further Information

11. Toxicological Information

11.1. Information on Hazard Classes as defined in Regulation (EC) No. 1272/2008

Acute Toxicity

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

LD50, dermal: No information available.

LC50, inhalation: No mortality.

Primary effects

Irritant effect on skin: Non irritating (rabbit)

Irritant effect on eyes: Non-irritating to eyes (rabbit)

Inhalation: No information available.

Ingestion: No information available

Sensitization: Non sensitizing.

Mutagenicity: In vivo genetic-toxicity: micronucleus negative (0.1-2 mg/kg, 2x in 24h, mouse)

Reproductive toxicity: No relevant data found.

Carcinogenicity: No negative effects.

Teratogenicity: No information available.

Specific target organ toxicity (STOT): No relevant data found.

Aspiration hazard: No risk of aspiration.

11.2. Information on other Hazards

No further information available.

12. Ecological Information

12.1. Aquatic Toxicity

Fish toxicity: LC50: > 100 mg/l (96h, *Leuciscus idus*)

Daphnia toxicity:

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EC50: > 100 mg/l (48h, Daphnia magna; OECD 202)

Bacteria toxicity:

IC50: > 10 000 mg/l (0.5h, Pseudomonas putida)

Algae toxicity:

EC50: > 100 mg/l (72h, Scenedesmus subspicatus; OECD 201)

12.2. Persistency and Degradability

> 70 %

12.3. Bioaccumulation

Controlled release of small amounts of product in biological sewage system do not cause disorders of the biodegradability of activated sludge.

12.4. Mobility

No information available.

12.5. Results of PBT- und vPvP Assessment

Not applicable.

12.6. Endocrine Disrupting Properties

No data available.

12.7. Other Adverse Effects

Water hazard class:

1, slightly hazardous

Behaviour in sewage systems:

Further ecological effects:

Product does not contain relevant concentrations of heavy metals; does not contain nitrogen, phosphates or phosphor-organic compounds.

Chemical oxygen demand (COD): 420 mg/g

Biochemical oxygen demand (BOD5): < 30 mg/g

AOX Value:

Does not influence the AOX value of discard water (DIN EN 1485).

13. Disposal Considerations

13.1. Waste Treatment Methods

Product:

If product cannot be reused or recycled, it has to be disposed of according to current local regulations.

European Waste Code (EWC):

040216 - Dyestuffs and pigments other than those mentioned in 040216

Uncleaned packaging:

Contaminated packaging must be disposed like the substance.

Waste Code No.:

14. Transport Information

14.1. UN Number

ADR, IMDG, IATA

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14.2. UN Proper Shipping Name

ADR/RID:

No hazardous goods according to ADR / DOT (US) (land transportation).

IMDG/IATA:

Not hazardous goods

14.3. Transport Hazard Classes

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel restriction code:

IMDG Class (sea):

not applicable

Hazard no.:

EmS No.:

IATA Class:

not applicable

Hazard no.:

14.4. Packaging Group

ADR/RID:

not applicable

IMDG:

IATA:

14.5. Environmental Hazards

14.6. Special Precautions for User

Not classified as a dangerous good under transport regulations.

14.7. Maritime Transport in Bulk according to IMO Instruments

not applicable

14.8. Further Information

Do not store together with foodstuffs.

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 (according to the German Regulation AwSV)

Local regulations on chemical accidents:

Employment restrictions:

Restriction and prohibition of application:

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Technical instructions on air quality:

Not applicable.

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has not 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.