

Material Safety Data Sheet

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



23350 Indian Yellow imitation

Page 1

Revised edition: 06.08.2013

Version: 3

Printed: 29.09.2015

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

1.1. Product Identifier

Product Name: Indian Yellow imitation

Article No.: 23350

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

Identified uses:

Coloring agent for industrial purposes.

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

E-Mail: info@kremer-pigmente.de

Importer: --

1.4. Emergency No.

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

2. 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

This product does not require classification and labelling as hazardous according to CLP/GHS.

Hazard designation:

Not applicable.

Signal word:

Hazard designation:

Safety designation:

Hazardous components for labelling:

Other Hazards

next page: 2

Material Safety Data Sheet

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



23350 Indian Yellow imitation

Page 2

Revised edition: 06.08.2013

Version: 3

Printed: 29.09.2015

2.3.

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization: Nickel based synthetic organic pigment. Pigment Yellow 150, C.I. 12764
Reaction mass of Nickel, 5,5'-azobis-2,4,6(1H,3H,5H)-pyrimidinetrione complexes and melamine, REACH Reg. No.: 01-2119970317-33-000 (> 95°C)

Hazardous Ingredients:

Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Take affected persons out into the fresh air.

After inhalation:

*Supply fresh air. Consult physician if symptoms persist.
Give artificial respiration in case breathing is not regular or if it has stopped.
In case of unconsciousness place patient stable in side position for transportation.*

After skin contact:

*Remove contaminated clothing immediately. Wash off immediately with plenty of water and soap.
Wash contaminated clothing before reuse.*

After eye contact:

*Rinse open eyes with plenty of water for at least 15 minutes.
Remove contact lens.
Seek medical attention if irritation persists.*

After ingestion:

*Rinse mouth with plenty of water and give small sips of water to drink. Consult a physician. Never give anything by mouth to an unconscious person.
If vomiting occurs spontaneously, keep head below hips to prevent aspiration.*

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

next page: 3

Material Safety Data Sheet

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



23350 Indian Yellow imitation

Page 3

Revised edition: 06.08.2013

Version: 3

Printed: 29.09.2015

5. 1. Extinguishing Media

Suitable extinguishing media:

Extinguishing powder.

Unsuitable extinguishing media:

Water with full jet.

5. 2. Special Hazards arising from the Substance or Mixture

Special hazards:

Dust can form explosive mixtures with air.

In case of fire: formation of carbon oxides, nitrogen oxides.

5. 3. Advice for Firefighters

Protective equipment:

Wear suitable protective clothing.

Wear self-contained respiratory protective device.

Further information:

Cool exposed containers with water spray.

6. Accidental Release Measures

6. 1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Keep unprotected persons out of danger zone.

Ensure adequate ventilation.

Wear protective clothing.

Floor may be slippery; use care to avoid falling.

6. 2. Environmental Precautions

Environmental precautions:

Prevent contamination of soil, drains and surface waters.

Contact local authorities if product pollutes soil or vegetation.

6. 3. Methods and Material for Containment and Cleaning Up

Methods and material:

Take up mechanically and collect in suitable labelled containers for disposal.

Avoid dust formation.

6. 4. Reference to other Sections

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:

Avoid formation of dust. Do not inhale dust.

Use suitable respiratory protection in case of inadequate ventilation.

Empty containers can contain product residues which can be hazardous.

Hygienic measures:

next page: 4

Material Safety Data Sheet

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



23350 Indian Yellow imitation

Page 4

Revised edition: 06.08.2013

Version: 3

Printed: 29.09.2015

Avoid contact with skin, eyes and clothing. Do not inhale dust.

Wash thoroughly after handling.

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

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in tightly sealed containers in a dry room.

Protect product from direct sunlight.

Keep away from ignitable and heat sources.

Requirements for storage areas and containers:

Storage: In the original container.

Do not store product in unlabelled containers.

Information on fire and explosion protection:

Do not store together with: oxidants.

Electrical installations / working materials must comply with the technological safety standards.

Storage class (VCI):

11; Combustible solids

Further Information:

Do not store together with incompatible materials (see Section 10)

7.3. Specific End Use(s)

Further information:

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

none known

Parameters to be controlled (EC):

Derived No-Effect Level (DNEL):

Predicted No-Effect Concentration (PNEC):

Sewage treatment system (STP): 31.5 mg/l

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Provide adequate ventilation/exhaust system.

Facilities storing or utilizing this material should be equipped with an eyewash and shower facility.

Personal Protection

General protective measures:

Avoid contact with skin, eyes and clothing.

Do not inhale dust. Do not eat, drink or smoke while working.

next page: 5

Material Safety Data Sheet

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



23350 Indian Yellow imitation

Page 5

Revised edition: 06.08.2013

Version: 3

Printed: 29.09.2015

Wash hands before breaks and at the end of work.

Respiratory protection:

Required in case of insufficient ventilation.

Hand protection:

Chemical protective gloves (EN 374 (Europe), F739 (US)).

Protective glove material:

Polyvinyl chloride (PVC)

Eye protection:

Safety glasses with protective shields (EN 166).

Body protection:

Protective clothing.

Environmental precautions:

Prevent from getting into the soil, surface water and sewage system.

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form: powder

Color: yellow

Odor: odorless

Odor threshold:
No information available.

pH-Value:
not available

Melting temperature:
not known

Boiling temperature:
not applicable

Flash point:
not available

Evaporation rate:
not applicable

Flammability (solid, gas):
not available

Upper explosion limit:
no information available

Lower explosion limit:
no information available

Vapor pressure:
not applicable

Vapor density:

next page: 6

Material Safety Data Sheet

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



23350 Indian Yellow imitation

Page 6

Revised edition: 06.08.2013

Version: 3

Printed: 29.09.2015

This product is a non-volatile solid.

Density:

not available

Solubility in water:

insoluble

Coefficient of variation (n-Octanol/Water):

-2.63 (calc.)

Auto-ignition temperature:

391°C (735.8°F)

Decomposition temperature:

No data available.

Viscosity, dynamic:

not applicable

Explosive properties:

Dust can form explosive mixtures with air.

Oxidizing properties:

no information available

Bulk density:

385 kg/m³

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

The product is chemically stable.

10.3. Possibility of Hazardous Reactions

Dust can form explosive mixtures with air.

10.4. Conditions to Avoid

Conditions to avoid:

Avoid dusting near sources of ignition.

Thermal decomposition:

10.5. Incompatible Materials

Oxidizing agents.

10.6. Hazardous Decomposition Products

next page: 7

Material Safety Data Sheet

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



23350 Indian Yellow imitation

Page 7

Revised edition: 06.08.2013

Version: 3

Printed: 29.09.2015

None if stored and handled according to specifications.

10.7. Further Information

11. Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity

LD50, oral:

> 5000 mg/kg (rat; OECD 401)

NOAEL (28d): > 1000 mg/kg/d (rat)

LD50, dermal:

No information available.

LC50, inhalation:

> 5222 mg/m³ (4h, rat; OECD 403)

Primary effects

Irritant effect on skin:

Non irritating (rabbit; OECD 404)

Irritant effect on eyes:

Non-irritating to eyes (rabbit; OECD 405)

Exposure to high ambient dust levels can cause irritation of the eyes.

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

Not sensitizing (mouse; OECD 429).

Mutagenicity:

Not mutagenic (OECD 471 Bacterial Reverse Mutation Test)

In vitro Mammalian Cell Gene Mutation Test (OECD 476): negative

In vitro Mammalian Chromosomal Aberration Test (OECD 473): negative

Reproductive toxicity:

Oral: > 1000 mg/kg bw/day (rat)

Cancerogenity:

No data available.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

No data available.

Additional toxicological information:

Chronic effects:

Inhalation: Repeated or prolonged inhalation of dust can cause a chronic irritation of the respiratory tract.

12. Ecological Information

next page: 8

Material Safety Data Sheet

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



23350 Indian Yellow imitation

Page 8

Revised edition: 06.08.2013

Version: 3

Printed: 29.09.2015

12. 1. Aquatic Toxicity

Fish toxicity:

LC50: > 1000 mg/l (96h, *Danio rerio*)

Daphnia toxicity:

LC50: > 100 mg/l (48h, *Danio rerio*)

Bacteria toxicity:

EC50: 3150 mg/l (3h, active sludge)

Algae toxicity:

IC50: > 100 mg/l (72h, *Desmodesmus subspicatus*)

NOEC: > 100 mg/l (72h, *Desmodesmus subspicatus*)

12. 2. Persistency and Degradability

Not readily biodegradable.

12. 3. Bioaccumulation

logPOW: -2.63

12. 4. Mobility

Partition coefficient soil/water (*Koc*): not available

12. 5. Results of PBT- und vPvP Assessment

Not applicable.

12. 6. Other Adverse Effects

Water hazard class:

1 (German Regulation) (Assessment by list): slightly hazardous.

Behaviour in sewage systems:

Further ecological effects:

Product does not contain nitrogen, phosphates or phosphor-organic compounds.

The product contains 9.8 % nickel bound as a complex.

AOX Value:

Product does not contain any organically bound halogens which influence the AOX value of discard water.

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):

Waste codes should be assigned by the user based on the application for which the product was used.

Uncleaned packaging:

Packaging may be disposed of in the same manner as the product.

Waste Code No.:

14. Transport Information

next page: 9

Material Safety Data Sheet

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



23350 Indian Yellow imitation

Page 9

Revised edition: 06.08.2013

Version: 3

Printed: 29.09.2015

-
- 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**
None
- 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**
Not classified as a dangerous good under transport regulations.
Protect against moisture.
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

Local regulations on chemical accidents:

next page: 10

Material Safety Data Sheet

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



23350 Indian Yellow imitation

Page 10

Revised edition: 06.08.2013

Version: 3

Printed: 29.09.2015

Employment restrictions:

Restriction and prohibition of application:

Technical instructions on air quality:

15. 2. Chemical Safety Assessment

A Chemical Safety Assessment is not necessary for this product.

15. 3. Further Information

*Seveso II Directive: this product is regulated under this directive.
EC. REACH, Annex XIV, Candidate List of Substances of very
High Concern (SVHC): not regulated / not applicable*

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.