

23350 Indian Yellow, imitation

Edition: 28.04.2006

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Information:

Product Name: Indian Yellow, imitation
Article No.: 23350
Application: Artists' and Restauration Material

Company: Kremer Pigmente GmbH & Co. KG
Hauptstrasse 41-47, D - 88317 Aichstetten
Tel. +49 7565 91120 Fax. +49 7565 1606
www.kremer-pigmente.de, kremer-pigmente@t-online.de

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterization: Azo-Nickel complex pigment
Pigment Yellow 150, C.I. No. 12764

Hazardous component(s):

Components	CAS Number	Weight %
Nickel, 5,5'-azobis-2,4,6(1H,3H,5H)-pyrimidinetrione complexes	68511-62-6	60 - 100
Amine derivative	Trade Secret	5 - 15
Chelating Agent	Trade Secret	1 - 5

3. HAZARDS IDENTIFICATION

Product is not considered hazardous - no labelling required.

This material is classified as hazardous under OSHA regulations:

Potential Health Effects: Target organ effects: lung cancer, dermatitis
Primary route(s) of Entry: Ingestion, skin, inhalation, eyes

4. FIRST AID MEASURES

After inhalation: Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen and get immediate medical attention.

After skin contact: Remove contaminated clothing immediately. Wash off immediately with soap and plenty of water. Get medical attention if irritation persists.

After eye contact: Immediately flush the eye(s) with lukewarm, gently flowing water for 15 minutes or until the chemical is removed. Get immediate medical attention if irritation persists.

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After ingestion: Do not induce vomiting. If vomiting occurs naturally, have casualty lean forward to reduce the risk of aspiration. Seek medical attention immediately.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water mist, carbon dioxide, foam, dry chemical.
Unusual hazards: The product can form an explosive dust/air mixture. For further information, see Section Explosion Hazards.
Hazardous combustion products: Burning may produce toxic combustion products.
Special protective measures: Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Avoid dust formation. Wear suitable protective equipment.
Environmental precautions: Should not be released into the environment.
Methods for cleaning up/
taking up: Sweep up and shovel into suitable containers for disposal.

7. HANDLING AND STORAGE

Handling:
Special measures: As with all industrial chemicals, use good industrial practices when handling. Avoid eye, skin and clothing contact. Do not inhale. Do not taste or swallow. Use only with adequate ventilation.
Explosion hazards: Combustible powder. Avoid creating dusty conditions. Grounding is required when emptying into a conductive container. When flammable solvents are present, the container must be inerted or the system otherwise designed to prevent or contain an explosion. Seek expert advice.
In addition, for products packaged in fused-lined (coated) fiber drums, fiber drums with conductive liners, steel drums, steel pails, and Type "C" FIBC (bulk bags), or other conductive the following instructions also apply:
- Always ground this package before emptying.
The user is responsible for designing the system to handle solid and ensuring proper training of employees in the system's use.
Storage:
Storage conditions: Keep containers tightly closed in a cool, well-ventilated place.
Storage class: 11, combustible solids

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Eye wash station and safety shower should be available in immediate work area. Select additional protective equipment based upon potential for exposure. Provide adequate ventilation.

Exposure Guidelines: There are no OSHA or ACGIH exposure guidelines available for component(s) in this product.

Components	OSHA PEL	OSHA STEL	ACGIH TWA	ACGIH STEL
Nickel, 5,5'-azobis-2,4,6(1H,3H,5H)-pyrimidinetrione complexes CAS 68511-62-6	1 mg/m ³			

Personal Protective equipment:

Respiratory protection: Use NIOSH approved respirator as needed to mitigate exposure.
Skin protection: Wear chemical resistant gloves and protective clothing.
Eye protection: Wear safety glasses or goggles to protect against dust particles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: powder
Color: brown
Odor: odorless

Melting point/range: > 300°C (572°F)
Boiling point/range: not applicable
Flash point: not applicable
Decomposition temperature: > 260°C (500°F)
Vapor pressure: not applicable
Density: not determined
Specific gravity: not applicable
Percent volatile: 0 to nil
VOC: 0 to nil
Partition coefficient (Octanol/Water): not determined

10. STABILITY AND REACTIVITY

Thermal stability: Stable
Conditions to avoid: Avoid static discharge.
Products to avoid: Strong oxidizing agents, strong acids, strong bases.
Hazardous decomp. products: No decomposition expected under normal storage conditions.
Hazardous reactions: None expected.

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11. TOXICOLOGICAL INFORMATION

Results for Nickel, 5,5'-azobis-2,4,6(1H,3H,5H)-pyrimidinetrione complexes:

Acute oral toxicity: LD₅₀ (rat) > 5000 mg/kg
Acute dermal toxicity: not determined
Acute inhalation toxicity: not determined

Skin irritation: not an irritant (rabbit) (based on similar components)
Eye irritation: not an irritant (rabbit) (based on similar components)
Skin sensitization: not determined

Results for Amine derivative:

Acute oral toxicity: not determined
Acute dermal toxicity: not determined
Acute inhalation toxicity: not determined

Skin irritation: mild eye irritant
Eye irritation: not an irritant
Skin sensitization: not a sensitizer

Carcinogenicity (IARC; NTP;
OSHA; ACGIH):

None of the components in this product at concentrations greater than 0.1% are listed by IARC; NTP; OSHA or ACGIH as a carcinogen.

12. ECOLOGICAL INFORMATION

Biological degradability: less than 10 %

Ecotoxicological effects: Product is not soluble in water. Due to test results of similar products, this product is not classified as environmentally hazardous.

Toxicity to fish: LD₅₀: > 100 mg/kg Species: Zebra fish
Toxicity to invertebrates: Not determined
Toxicity to algae: Not determined

Activated sludge respiration inhibition test: EC₅₀: > 100 mg/kg
Biochemical oxygen demand (BOD): not determined
Total oxygen demand (TOD): not determined

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13. DISPOSAL CONSIDERATIONS

Waste Disposal: Dispose in accordance with local, state, provincial and federal regulations.

14. TRANSPORT INFORMATION

U.S. Department of Transportation (DOT):
Not regulated for this mode of transport.

International Maritime Dangerous Goods (IMDG):
Not regulated for this mode of transport.

International Air Transportation Authority (IATA):
Not regulated for this mode of transport.

15. REGULATORY INFORMATION

Labelling in accordance with EC Regulations: Hazard warning not compulsory.

Federal Regulations:

OSHA Hazardous Substance: This material is classified as hazardous under OSHA regulations.

Clean Air Act – Hazardous Air Pollutants (HAP): This product contains the following Hazardous Air Pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

Components	CAA Section 112 Statutory Hazardous Air Pollutants
Nickel, 5,5'-azobis-2,4,6(1H,3H,5H)-pyrimidinetrione complexes CAS 68511-62-6 (60-100%)	Listed

Clean Air Act – Volatile Organic Compounds (VOC): This products does not contain any SOCOMI Intermediate or Final Volatile Organic Compounds (VOC), as defined by the U.S. Clean Air Act Section 111 (40 CFR 60.489).

Clean Air Act – Ozone Depleting Substances (ODS): This products nor contains, nor was manufactured with a Class I or Class II ozone depleting substance (ODS), as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App A+B).

Clean Water Act – Priority Pollutants (PP): This product contains the following priority pollutants listed under the U.S. Clean Water Act Section 307 (2)(1) Priority Pollutant List (40 CFR 401.15):

Components	CAA Section 307(2)(1) Priority Pollutants
Nickel, 5,5'-azobis-2,4,6(1H,3H,5H)-pyrimidinetrione complexes CAS 68511-62-6 (60-100%)	Listed

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Resource Conservation and Recovery Act (RCRA): Not a hazardous waste under RCRA (40 CFR 261.21).

SARA Section 302 Extremely Hazardous Substances (EHS): This product does not contain any components regulated under Section 302 (40 CFR 355) as Extremely Hazardous Substances.

SARA Section 304 CERCLA Hazardous Substances: This product contains the following component(s) regulated under Section 304 (40 CFR 302) as hazardous chemicals for emergency release notification ("CERCLA" List).

Components	Section 304 CERCLA Hazardous Substances	CERCLA Reportable Quantity
Nickel, 5,5'-azobis-2,4,6(1H,3H,5H)-pyrimidinetrione complexes CAS 68511-62-6 (60-100%)	Listed	See 40 CFR 302.4

SARA Section 311/312 Hazard Communication Standard (HCS): This product is regulated under Section 311/312 HCS (40 CFR 370). Its hazard: Acute (immediate) health hazard.

SARA Section 313 Toxic Chemical List (TCL): The following component(s) are listed on the Section 313 Toxic Chemical List:

Components	Weight %	Section 313 Status
Nickel, 5,5'-azobis-2,4,6(1H,3H,5H)-pyrimidinetrione complexes CAS 68511-62-6 (60-100%)	60 - 100	Listed

TSCA Section 8(b) Inventory Status: All components(s) comprising this product are either exempt or listed in the TSCA inventory.

TSCA Section 5(e) Consent Orders: This product is not subject to a Section 5(e) Consent Order.

TSCA Significant New Use Rule (SNUR): This product is not subject to a Significant New Use Rule (SNUR).

TSCS Section 5(f): This product is not subject to a Section 5(f)/6(a) rule.

TSCS Section 12(b) Export Notification: This product does not contain any component(s) that are subject to a Section 12(b) Export Notification.

State Regulations:

California Proposition 65: This product does not contain any components currently on the California list of Known Carcinogens and Reproductive Toxins.

Components	California Proposition 65
Nickel, 5,5'-azobis-2,4,6(1H,3H,5H)-pyrimidinetrione complexes CAS 68511-62-6 (60-100%)	Carcinogenic

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Pennsylvania Right-To-Know: This product does not contain any components that are subject to the Pennsylvania Right-To-Know disclosure requirement.

Components	CAS Number	Pennsylvania Right-To-Know
Amine derivative	Trade Secret	Listed. Environmental hazard.

International Regulations:

Chemical Weapons Convention (CWC): This product does not contain any component(s) listed under the Chemical Weapons Convention Schedule of Chemicals.

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 therefore not be construed as guaranteeing specific properties.