

Safety Data Sheet

Indanthrone Blue - 313



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

Identification of The Substance or Preparation

Trade Name: 313 Indanthrone Blue (Pigment Blue 60)

Use of the substance/Preparation

Coloring agent/Pigment, for industrial purposes only.

Company/Undertaking Identification

Company Name: Michael Harding Art Formulas Ltd

Address: Unit K Springvale Ind Est, Cwmbran, Torfaen, NP44 5BE

Emergency Telephone: +44(0)1633484700 Mon-Thur 08:00 - 16:30, Fri 08:00 - 15:30

2. Hazards Identification

GHS Classification

Not a hazardous goods under GHS Classification

Information Pertaining to Special Dangers for Human and Environment

Dust forms explosive mixtures with air.

3. Composition/Information on Ingredients

Chemical Characterization (Substance):

CHEMICAL NAME:6,15-dihydro-5,9,14,18-Anthrazinetetrone

CHEMICAL FAMILY:Anthraquinone

CAS NUMBER: 81-77-6

EINECS Number: 201-375-5

PERCENTAGE: 100.00%

4. First Aid Measures

In Case of Inhalation: Provide fresh air. Seek medical treatment in case of troubles.

In Case of Skin Contact: Remove residues with soap and water.

After Eye Contact: With eyelids open, wash out eyes for several minutes under flowing water.

After Swallowing: Rinse mouth. Do not induce vomiting. Consult physician.

5. Fire Fighting Measures

Suitable Extinguishing Media: Water fog, foam

Extinguishing Media Which Must Not Be Used for Safety Reasons: Extinguishing powder, carbon dioxide

Special Exposure Hazards Arising from The Substance or Preparation Itself, Its Combustion Products or Form Resulting Gases:

Combustible. In case of fire may be liberated: carbon monoxide and carbon dioxide, nitrogen oxides (NO_x), Hydrochloric.

Special Protective Equipment for Fire Fighters: Wear self-contained breathing apparatus. Wear suitable protective clothing.

Additional Information: Hazchem-Code: -

Do not allow fire water to penetrate into surface or ground water.

6. Accidental Release Measures

Personal Precautions: Avoid generation of dust. Do not breathe dust. Provide adequate ventilation.

Measures to Protect The Environment: Do not allow to penetrate into soil, waterbodies or drains.

Methods for cleaning up: Take up mechanically, placing in appropriate containers for disposal. Avoid generation of dust.

Final cleaning.

7. Handling And Storage

Handling

Advices on Safe Handling: Avoid generation of dust. In case of dust, provide adequate ventilation, and local exhaust as needed.

Precautions against fire and explosion: Keep away from sources of ignition-No smoking. Dust forms explosive mixtures with air. Take precautionary measures against static discharges. Use grounding equipment.

Storage

Requirements for Storerooms and Containers: Store container tightly closed in a dry and cool place.

Storage Class: 11=Combustible solids.

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8. Exposure Controls/Personal Protection

Exposure Controls

Dust should be exhausted directly at the point of origin. (See also information in chapter 7, section storage.)

Occupational Exposure Controls

Respiratory Protection: In case of dust: Particulates filter P1 according to EN 143.

Hand Protection: Protective gloves according to EN 374.

Glove material: Nitrile rubber.

Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye Protection: Tightly sealed safety glasses according to EN 166.

Body Protection: Normal work clothing.

General Protection and Hygiene Measures: After work, wash hands and face.

9. Physical And Chemical Properties

Appearance

Physical State: solid, powder

Color: blue

Odour: odorless

Important Health, Safety and Environmental Information

Ignition Temperature: 250 C

Explosive Properties: Dust explosive

Density: 1.4-1.6

PH Value:

Water Solubility: insoluble

Thermal Decomposition: >330 C

Additional Information

Molecular Weight: 442.42

10. Stability And Reactivity

Conditions to Avoid: Explosive dust-air mixtures may form.

Materials to Avoid: Strong oxidizing agents.

Hazardous Decomposition Products: In case of fire, may be liberated: carbon monoxide and carbon dioxide, nitrogen oxides (NOx), hydrochloric.

Thermal Decomposition: >330 C

Additional Information: Product is stable under normal storage conditions.

11. Toxicological Information

Toxicological Tests

Acute Toxicity: LD50 Rat, oral: >2,000 mg/kg

In Case of Skin Contact: Rabbit: Not an irritant

After Eye Contact: Rabbit: Not an irritant

General Remarks

Sensitisation (OECD 429): Not known to cause sensitization.

12. Ecological Information

Ecotoxicity

Aquatic Toxicity: Algae toxicity: EC50 scenedesmus subspicatus:>100 mg/L/72h (OECD 201). No visible effects.

Daphnia toxicity: No visible effects.

Fish toxicity: LC50 Brachydanio rerio (zebra-fish): >100 mg/L/96h (OECD 203). No visible effects.

Water Hazard Class: 2=hazardous to water (WGK catalog number 1492)

Additional Ecological Information

General Information: Do not allow to enter into ground-water, surface water or drains.

13. Disposal Considerations

Product

Waste Key Number: 080112=Waste paint and varnish other than those mentioned in 08 01 11

Recommendation: Dispose of waste according to applicable legislation.

Contaminated Packaging

Recommendation: Dispose of waste according to applicable legislation. Handle contaminated packages in the same way as the substance itself.

14. Transport Information

Land Transport (ADR/RID)

Third Party Information supplied to Michael Harding Art Formulas Ltd

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Product designation: Not restricted
Sea Transport (IMDG)
Proper Shipping Name: Not restricted
Air Transport (IATA)
Proper Shipping Name: Not restricted
Further Information
No dangerous good in sense of these transport regulations.

15. Regulatory Information

Labelling (67;548/EEC or 1999/45/EEC)
Code Letter and Hazard symbol: Not applicable
R Phrase(s): Not applicable
S Phrase(s): Not applicable

Labelling (EU-GHS)

Hazard Symbols: Not applicable
Hazard Statements: Not applicable
Safety Precautions: Not applicable

National Regulations

National Regulations - Great Britain

Hazchem-Code: -

National Regulations - Germany

Storage Class: 11=Combustible solids
Water Hazard Class: 1 (Official German Classification)
Water Hazard Class: 0 (Self Classification by Manufacturers and Distributors)

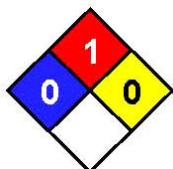
National Regulations - EC Member States

Volatile Organic Compounds (VOC): 0% by weight

National Regulations - USA

California Proposition 65: Complied

Hazard Rating Systems



TSCA Inventory: Listed
TSCA HPVC: Not listed
NFPA Hazard Rating: Health: 0 (Minimal)
Fire: 1 (Slight)
Reactivity: 0 (Minimal)
HMIS Version III Rating: Health: 0 (Minimal)
Flammability: 1 (Slight)
Physical Hazard: 0 (Minimal)
Personal Protection: X=Consult your supervisor

HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0
	X

International Inventories:

TSCA (USA): Listed
DSL (Canada): Listed
EINECS (Europe): Listed
AICS (Australia): Listed
HASNO (New Zealand): Listed
MITI/ENCS (Japan): Listed
ECL (Korea): Listed
PICCS (Philippines): Listed
IECSC (China): Listed

16. Other Information

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular applications.

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