

Safety Data Sheet

according to 29 CFR 1910.1200



Indanthren BrGreen C-FFB Plus

000055293179

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generated on: 05/26/2015

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SECTION 1: Identification of the substance/preparation and company

1.1 Product identifier

Indanthren BrGreen C-FFB Plus

1.2 Relevant Identified uses of the substance or mixture and uses advised against

Use pattern :

Textile dye

1.3 Details of the supplier of the safety data sheet

Dystar L.P.
Pine Brook III

9844 Southern Pine Blvd
Charlotte, NC 28273, USA
Telephone no. (800) 439-7827
Telefax no. (704) 561-3098

1.4 Emergency telephone number

Emergency telephone number: (800) 424-9300

SECTION 2: Hazard(s) Identification

2.1 Classification of the Substance or Mixture

Classification of the chemical in accordance with paragraph (d) of §1910.1200

No labelling is required in accordance with GHS directives.

2.3 Other hazards

If applicable in this section are given hazards which are not part of the overall classification but can contribute to the hazards which may be associated with the substance or mixture.

not applicable

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SECTION 3: Composition/information on ingredients

3.1 Substances

Not applicable

3.2 Mixtures

Chemical characterization

vat dye preparation

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: Take off immediately all contaminated clothing.

After inhalation: Upon inhalation of aerosol/vapour/dust: Take the patient into the fresh air; if there is difficulty in breathing, medical advice is required.

After contact with skin: Cleansing with plenty of water, soap or other non-irritating cleansing agents.

After contact with eyes: Contamination of the eyes must be treated by thorough irrigation with water, with the eyelids held open. Eventually a doctor (or eye specialist) should be consulted.

After ingestion: If the product is swallowed, the patient must at once drink water repeatedly, if possible with the addition of activated carbon. If the patient feels unwell, seek medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Please see hazard statements in section 2.2 if given and information in this section if stated.

4.3 Indication of any immediate medical attention and special treatment needed

Please see precautionary statements in section 2.2 as well as first aid information in this section if stated.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

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Suitable extinguishing media: Water spray, foam, dry powder.

Extinguishing media that must not be used for safety reasons: CO₂

5.2 Special hazards arising from the substance or mixture

not determined

5.3 Advice for firefighters

Special protective equipment for firefighting: Firemen have to wear self-contained breathing apparatus.

Further information: Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions: Avoid formation and deposition of dust.

6.2 Environmental precautions

Environmental precautions: Do not empty into drains or waters.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up/taking up: Take up spilled product with dust-binding material or suitable vacuum cleaner. Fill into labelled, sealable containers.

6.4 Reference to other sections

Additional information: For further disposal measures see chapter 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling: Avoid formation and deposition of dust.
Keep container tightly closed and dry.

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Advice on protection against fire and explosion: Observe the usual precautionary measures required for chemicals with dust-explosive properties. Observe national regulations.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels: Store in original container in a cool, dry place.

In filling operations take precautionary measures against static discharges.

Storage stability:

Storage period: 60 Months

7.3 Specific end use(s)

not determined

SECTION 8: Exposure controls/personal protection

8.1 Exposure limits

Ingredients with occupational exposure limits to be monitored

8.2 Exposure controls

General protective measures: Do not breathe dust. Avoid contact with eyes and skin. Take off immediately all contaminated clothing.

Hygiene measures: Keep away from food and drink stuffs.

Do not eat, drink or smoke at work.

Wash hands before breaks and at end of work and use skin-protecting ointment.

Respiratory protection : Dust mask with particle filter.

Hand protection : Wear suitable gloves e.g. of PVC or nitrile rubber. In the event of contamination, change protective gloves immediately.

Eye protection : safety glasses with side protection shield

Body protection : Wear protective clothing.

SECTION 9: Physical and chemical properties

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9.1 Information on basic physical and chemical properties

Form :	powder
Colour :	green
Odour :	odourless
Melting temperature :	> 200 °C
flammability :	not determined
Lower explosion limit :	not determined
Upper explosion limit :	not determined
Vapour pressure :	not determined
Solubility in water :	dispersible
pH value :	10.0 - 11.0 (20 °C, 50 g/l) in aqueous suspension
Viscosity (flow time) :	not determined

9.2 Other information

Combustion number :	not determined
Dust explosion class :	not determined
Bulk density :	approx. 400 - 600 kg/m ³
Further information (phys.-chem.)	not necessary

SECTION 10: Stability and reactivity

10.1 Reactivity

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No hazardous reactions when stored and handled according to prescribed instructions.

10.2 Chemical stability

Thermal decomposition

No thermal decomposition when stored and handled correctly.

10.3 Possibility of hazardous reactions

Hazardous reactions: In the case of dusty organic products the possibility of a dust explosion should always be considered.

Hazardous decomposition products: Not applicable

10.4 Conditions to avoid

For avoidable conditions: not necessary

10.5 Incompatible materials

For avoidable materials: not necessary

10.6 Hazardous decomposition products

Not applicable

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute oral toxicity : LD50 > 5,000 mg/kg (rat)

Irritant effect on skin : non-irritant (rabbit)

Irritant effect on eyes : non-irritant (rabbit eye)

Sensitization : non-sensitizing (Guinea pig)
Method : Maximisation Test

Mutagenicity: No mutagenic response in the Ames-Test.

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Teratogenicity : not necessary

Carcinogenicity : not necessary

Remarks : Test results of a similarly composed product

11.2 Information on toxicological effects

11.3 Carcinogen status

SECTION 12: Ecological information

12.1 Toxicity

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

Bacteria toxicity : > 1,000 mg/l
Test procedure: Respiratory inhibition of activated sludge organisms according to D. Brown et al., Chemosphere, 10(3), 245-261 (1981), and conforming to OECD Guideline 209

12.2 Persistence and degradability

Biodegradability : > 70 % (Colour decrease)
Readily eliminable from water
Method : Batch method

Biodegradability :
If regulations are followed when introducing effluent into biological waste water treatment plants, no adverse effect on the degradation activity of activated sludge is to be expected.

Dissolved Organic carbon (DOC) : not determined

Chemical oxygen demand (COD) : 1,700 mg/g

Remarks: The data is based on the toxicological properties of the components of the product.

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Product does not add to the AOX-value of the sewage. (DIN EN 1485)
The product does not contain heavy metals in concentrations of concern for waste water.
The product does not release nitrogen which can contribute to eutrophication.
The product does not contain phosphates or organophosphorus compounds.

12.3 Bioaccumulative potential

12.4 Mobility in soil

not determined

12.5 Results of PBT and vPvB assessment

not determined

12.6 Other adverse effects

not determined

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product: If utilisation or recycling of the product is not possible, it should be disposed of according to the local regulations and laws, e. g. by incineration in a suitable plant.

European Waste Catalogue (EWC) code: 040217 Dyestuffs and pigments other than those mentioned in 040216

Uncleaned packaging: Soiled, empty containers are to be treated in the same way as the contents.

SECTION 14: Transport information

14.1 Transport classification

D.O.T. Information

CFR	Non dangerous goods
IMDG	Non dangerous goods
IATA_C	Non dangerous goods

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IATA_P Non dangerous goods

14.2 Special precautions for user

Keep separated from foodstuffs.

14.3 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

No transport in bulk according to Annex II of MARPOL 73/78 and the IBC code foreseen for this substance or mixture.:

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

US Regulations

15.2 Chemical safety assessment

not determined

SECTION 16: Other information

Text of all shortcuts referred to in sections 2 and 3:

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 application.

Print date