



Optik

Blue WSP Spray Dye Indicator

Material Safety Data Sheet

Issue: 01 - Sep 2019

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier Optik Blue WSP Spray Dye Indicator

1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant uses: Colourant in solution. For professional use only.
Uses advised against: All uses not specified in this section or in section 7.3

1.3. Details of the supplier of the safety data sheet

Company: Indigrow Ltd, The Old Bakery, Hyde End Lane, Brimpton, Berkshire, RG7 4RH. UK.
Phone: +44 (0) 1189 710 995
Email: growth@indigrow.com

1.4. Emergency telephone number +44 (0) 7725 962 366

SECTION 2: Hazards Identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]:
Not classified
Adverse physicochemical, human health and environmental effects:
No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]:
No labelling applicable

2.3. Other hazards

No additional information available

SECTION 3: Composition/Information on Ingredients

3.1. Substance

Non-applicable

3.2. Mixture

Chemical description: Dye/s in aqueous solution

SECTION 4: First-Aid Measures

4.1. Description of first aid measures

First-aid measures general: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation: Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
First-aid measures after skin contact: Wash skin with plenty of water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Remove contact lenses, if present and easy to do. Continue rinsing.
First-aid measures after ingestion: Do NOT induce vomiting. If you feel unwell, seek medical advice.



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4.2. Most important symptoms and effects, both acute and delayed

Symptoms/effects after inhalation: Under normal conditions of use, no adverse effects to health have been observed. May cause respiratory irritation.

Symptoms/effects after skin contact:

Under normal conditions of use, no adverse effects to health have been observed. May cause irritation to skin.

Symptoms/effects after eye contact:

Direct contact with the eyes is likely to be irritating.

Symptoms/effects after ingestion: Under normal conditions of use, no adverse effects to health have been observed.

Chronic symptoms : None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Fire-Fighting Measures

5.1. Extinguishing media

Suitable extinguishing media: Use extinguishing agent suitable for surrounding fire.

Unsuitable extinguishing media: Do not use water jet.

5.2. Special hazards arising from the substance or mixture

Fire hazard: In case of fire and/or explosion do not breathe fumes. Decomposition products may be a hazard to health.

Reactivity in case of fire: None known.

Hazardous decomposition products in case of fire: Hazardous vapours may be released.

5.3. Advice for fire-fighters

Precautionary measures fire: Evacuate area. Eliminate all ignition sources if safe to do so.

Firefighting instructions: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not allow run-off from fire fighting to enter drains or water courses.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures: Ensure adequate ventilation. Eliminate every possible source of ignition. Evacuate area.

For non-emergency personnel:

Protective equipment: Concerning personal protective equipment to use, see section 8.

Emergency procedures: Evacuate unnecessary personnel.

For emergency responders:

Protective equipment: Do not attempt to take action without suitable protective equipment.

Emergency procedures: Ventilate area.

6.2. Environmental precautions

No additional information available.

6.3. Methods and material for containment and cleaning up

For containment: Collect spillage.

Methods for cleaning up: Sweep or shovel spills into appropriate container for disposal.

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6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

SECTION 7: Handling and Storage

7.1. Precautions for safe handling

Additional hazards when processed:

Precautions for safe handling:	Ensure adequate ventilation. In case of inadequate ventilation wear respiratory protection. Handle in accordance with good industrial hygiene and safety practice. Use personal protective equipment as required.
Hygiene measures:	Always wash hands after handling the product. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions:	Keep container tightly closed in a cool, well-ventilated place. Protect from moisture.
Incompatible products:	Strong acids. Strong bases.
Incompatible materials:	Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure Controls/Personal Protection

8.1. Control parameters

DNEL/DMEL (General population):	
Long-term - systemic effects, oral:	631 mg/kg bw/day

8.2. Exposure controls

Personal protective equipment:	Avoid all unnecessary exposure.
Hand protection:	Refer to manufacturer's information
Type:	Chemical resistant gloves (according to European standard EN 374 or equivalent)
Material:	Nitrile rubber (NBR), Butyl rubber, Latex, Polyvinylchloride (PVC), Neoprene protective gloves
Permeation:	6 (> 480 minutes)
Thickness (mm):	-
Penetration:	Gloves must be replaced after each use and whenever signs of wear or perforation appear
Standard:	EN ISO 374
Eye protection:	Chemical goggles or safety glasses. Refer to manufacturer's information
Type:	Safety glasses
Use:	Dust, Fine dust
Characteristics:	-
Standard:	EN 166
Skin and body protection:	Wear suitable protective clothing
Respiratory protection:	Wear appropriate mask
Device:	Respiratory protective device with a particle filter
Filter type:	Type P1, Type P2, Type P3
Condition:	Protection for Liquid particles, Vapour protection
Standard:	EN 149
Other information:	Do not eat, drink or smoke during use.



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SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical state:	Solid
Appearance:	Powder.
Colour:	Blue.
Odour:	odourless.
pH:	5 - 6 @10 g/l
Flammability (solid, gas):	Non flammable.
Relative density:	0.8 - 1 g/cm ³
Solubility:	soluble in water - water: 20 %

9.2. Other information

No additional information available

SECTION 10: Stability and Reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Moisture.

10.5. Incompatible materials

Strong acids. Strong bases. Oxidizing agents. reducing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, nitrogen oxides (NO_x).

SECTION 11: Toxicological Information

11.1. Information on toxicological effects

LD50 oral rat:	> 2000 mg/kg
Skin corrosion/irritation:	Not classified (pH: 5 - 6 @10 g/l)
Serious eye damage/irritation:	Not classified (pH: 5 - 6 @10 g/l)

SECTION 12: Ecological Information

12.1. Toxicity

LC50 fish 1:	> 100 mg/l
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12.2. Persistence and degradability

Not available.



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12.3. Bioaccumulative potential

Not available.

12.4. Mobility in soil

Not available.

12.5. Results of PBT and vPvB assessment

Non-applicable.

12.6. Other adverse effects

Not described.

SECTION 13: Disposal Considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations:

Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials:

Avoid release to the environment.

SECTION 14: Transport Information

This product is not regulated for transport (ADR/RID,IMDG,IATA)

SECTION 15: Regulatory Information

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

No REACH Annex XVII restrictions

15.2. Chemical Safety Assessment

The supplier has not carried out evaluation of chemical safety.

16. OTHER INFORMATION

The information contained herein relates only to the designated formulation and may not be valid if product is used in combination with other substances. The information is to the best of our knowledge, belief and understanding, true, accurate and reliable at the date of issue. However, the information may neither be exhaustive or complete, and no warranty, guarantee or liability concerning the accuracy or completeness of the information is expressed or implied. It is the user's risk and sole responsibility to verify and satisfy their own criteria and duty of care concerning the validity of the information in relation to their application of the product.

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