

INDIGO CARMINE AR

□□□□□□□□

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

SDS Reference Number: 04180

□□□□□□: 4/9/2014 □□□□□□: 12/19/2024 □□□□: 4/9/2015 □□: 1.0

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1.1. □□□□

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: INDIGO CARMINE AR

EC □□

: 212-728-8

CAS □□

: 860-22-0

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: 04180

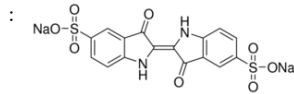
□□ □□

: Heterocyclic organic compound

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: C16H8N2Na2O8S2

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: Indigotine, 5,5'-Indigodisulphonic acid sodium salt, Brilliant Indigo, Acid Blue 74, Indigotindisulphonate sodium

1.2. □□□□ □□ □□□□ □□ □□ □□ □□

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: Industrial

□□/□□□□ □□ □□

For professional use only

□□□□/□□□□ □□

: Laboratory chemicals

pH Indicator

Dyestuff/pigment

1.3. □□□□□□□□ □□□□ □□

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INDIA

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1.4. □□□□□□

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: + 91 22 6663 6663 (9:00am - 6:00 pm)

□□ 2: □□□·□□□

2.1. □□□·□□□ □□

Regulation (EC) No.1272/2008 [CLP]□□□□□□

□□ □□□, □□ 1

H317

□□(H) □□ □□ EUH □□ □□: 16□ □□.

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2.2. □□□□□□□□ □□□□□□ □□

□□ (EC) No. 1272/2008□□□□□□□□[CLP]

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GHS07

□□□□ (CLP)

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INDIGO CARMINE AR

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

□□·□□ □□ (CLP) : H317 - □□□□□ □□ □□□ □□□ □ □□.
□□ □□ □□(CLP) : P280 - □□□, □□□, □□□, □□□□□ □(□) □□□□□.
P302+P352 - □□□ □□□ □□□ □ □□□□□.

2.3. □□ □□

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

□□ 3: □□□□□ □□ □ □□□

3.1. □□□□

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□□	□□□□	%
INDIGO CARMINE	CAS □□: 860-22-0 EC □□: 212-728-8	100

□□ 4: □□□□□□

4.1. □□□□ □□

□□ □□ □□ : If you feel unwell, seek medical advice.
□□□□ □□ : □□□ □□□ □□ □□□ □□□□ □□ □□□□ □□□□. Give oxygen or artificial respiration if necessary. If you feel unwell, seek medical advice.
□□□ □□□□ □□ : □□□ □□□ □□ □□□□ □□□□□. Wash skin with plenty of water. □□□ □□□ □□□□. □□ □□ □□ □□□ □□□□: □□□□ □□/□□□ □□□□.
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First-aid measures for first aider : □□□□ □□□□ □□□ □□ □□ □□□ □□□□ □□□.

4.2. □□ □ □□□ □□ □□□ □□ □ □□

□□ □ □□/□□ : None under normal conditions. Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure.
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□ □□ □ □□/□□ : None under normal conditions. Dust from this product may cause eye irritation.
□□ □ □□/□□ : □□□ □□□.

4.3. □□□□ □□ □ □□ □□ □□ □□ □□

Treat symptomatically.

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5.1. □□□ □□□

□□□ □□□ : Water spray. Dry powder. Foam.
□□□□ □□□ : Do not use a heavy water stream.

5.2. □□□□□□□ □□□ □□ □□□

□□ □□ : No fire hazard.
□□ □□ : No direct explosion hazard.
□□ □ □□□ □□□ □□ : Toxic fumes may be released.

INDIGO CARMINE AR

□□□□□□□□

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

5.3. □□□□□ □□ □□

- □□ : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection.
- □□ □ □□ : Do not attempt to take action without suitable protective equipment. □□□ □□□□□. Complete protective clothing.

□□ 6: □□□□□ □□□□□

6.1. □□□ □□□□ □□ □□□ □□□□ □ □□□

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- □□□ : Wear recommended personal protective equipment.
- □□ : Ventilate spillage area. Evacuate unnecessary personnel. □□ □ □□□ □□□ □□□□. □□/□/□□/□ □□/□□/□□□□ □ □□□ □□□□.
- □□□□ : Do not attempt to take action without suitable protective equipment. □□□ □□ □□□□ □□□□□. □ □□□ □□□ □□ □□: "□□□□ □ □□□□□"□ □□□□□.
- □□ : Stop release. Evacuate unnecessary personnel.

6.2. □□□ □□□□ □□ □□□ □□□□

□□□□ □□□□ □□□.

6.3. □□ □□ □□ □□

- : Using a clean shovel, put the material in a dry container and cover without compressing it.
- □□ : Mechanically recover the product. □□□□ □□□□. On land, sweep or shovel into suitable containers. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.
- □□ □□□□ : Dispose of materials or solid residues at an authorized site.

6.4. □□ □□ □□

For further information refer to section 13.

□□ 7: □□ □ □□□□

7.1. □□□□□□

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- : Ensure good ventilation of the work station. □, □□, □□□ □□ □□□ □□□. □□/□/□□/□□□/□□□ □ □□□ □□□□. □□ □□□□ □□□□□.
- □□ : □□ □□□ □□ □□ □□□ □□□□ □□□□. □□□ □□□ □□□ □□□ □□□□ □□□□. □□ □□ □ □□□ □□□ □□□□□. □ □□□ □□□ □□□ □□□, □□□□ □□□□ □□□□. Always wash hands after handling the product.

7.2. □□□□ □□□ □□□ □□□ □□ □□

- □□ : Keep in a cool, well-ventilated place away from heat.
- □□ : Store in original container. □□□ □□□ □□□□□.
- : Store always product in container of same material as original container.

7.3. □□ □□ □□

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□□ 8: □□□□ □ □□□□□

8.1. □□ □□ □□

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8.2. □□□□

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□□□□□□□□:

Ensure good ventilation of the work station.

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Wear recommended personal protective equipment.

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□□□□:

Chemical goggles or safety glasses

Skin protection

□□□□□□:

Wear a mask

□□□□:

Protective gloves

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Wear appropriate mask

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□□ 9: □□□□□□□□

9.1. □□□□□□□□□□□□□□□□

□□□□□□	: □□
□□	: Dark blue to violet.
□□	: Powder having metallic lustre.
□□□	: 466.36 g/mol
□□	: Odourless.
□□□□	: □□□□
□□□	: > 300 °C
□□□	: □□□□
□□□□□□□□□□□□	: □□□□
□□□	: □□□
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□□□□□	: □□□□
□□□	: > 250 at 965.4 hPa (ECHA)
□□□□□□□□	: □□□□
□□□□	: 340 °C
pH	: 3.87 at 30 °C
pH□□	: 7.14 g/L
□□(□□□)	: □□□□
□□□	: □: 10 g/l at 25 °C
Partition coefficient n-octanol/water (Log Kow)	: □□□□
□□□	: □□□□
50°C□□□□□□□□	: □□□□
□□	: 0.71 g/cm³ at 29 °C - OECD Test Guideline 109
□□	: □□□□

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20°C□□□□ □□ □□ □□ : □□□□
Particle size : □□□□

9.2. □□□□□□□□

□□ □□ □□
□□ □□ : 700 – 900 kg/m³

□□ 10: □□□□ □□□□

10.1. □□□□

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

10.2. □□□□□□□□

Stable under normal conditions.

10.3. □□□□□□□□

No dangerous reactions known under normal conditions of use.

10.4. □□□□□□□□

□□□□. Air contact. Moisture.

10.5. □□□□□□□□

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10.6. □□□□□□□□□□

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

□□ 11: □□□□ □□□□

11.1. □□ (EC) No 1272/2008□□□□, □□□□ □□□□ □□□□

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pH: 3.87 at 30 °C
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pH: 3.87 at 30 °C
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11.2. □□□□□□□□

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INDIGO CARMINE AR

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according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

□□ 12: □□□ □□□ □□

12.1. □□

□□□ - □□ : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
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□□ □□□□ □□□ : □□□□ □□

12.2. □□□ □ □□□

INDIGO CARMINE AR (860-22-0)	
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12.3. □□ □□□

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12.4. □□ □□□

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12.5. PBT □ vPvB □□ □□

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12.6. □□□ □□ □□

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12.7. □□ □□ □□

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□□ 13: □□□ □□□□

13.1. □□□ □□□

□□ □□(□□□) : Disposal must be done according to official regulations.
□□□ □□□ : Dispose of contents/container in accordance with licensed collector's sorting instructions.
□□ □□ □□ □□ : Disposal must be done according to official regulations.
□□/□□ □□ □□□□ : □□, □□, □□ □/□□ □□ □□□□ □□ □□ □□□□ □□ □□ □□□□ □□□□□□.
Disposal must be done according to official regulations.
□□ □□ : Do not re-use empty containers.

□□ 14: □□□ □□□ □□

ADR / IMDG / IATA / ADN / RID □□ □□

14.1. UN □□ □□ ID □□

□□ □□□□ □□□□

14.2. UN □□ □□□

□□ □□□ (ADR) : Not regulated
□□ □□□ (IMDG) : Not regulated
□□ □□□ (IATA) : Not regulated
□□ □□□ (ADN) : Not regulated
□□ □□□ (RID) : Not regulated

14.3. □□□□□ □□□ □□

ADR
□□□□□ □□□ □□ (ADR) : Not regulated

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IMDG

□□□□□ □□□ □□ (IMDG) : Not regulated

IATA

□□□□□ □□□ □□ (IATA) : Not regulated

ADN

□□□□□ □□□ □□ (ADN) : Not regulated

RID

□□□□□ □□□ □□ (RID) : Not regulated

14.4. □□□□

□□ □□ (ADR) : Not regulated

□□ □□(IMDG) : Not regulated

□□ □□ (IATA) : Not regulated

□□ □□(ADN) : Not regulated

□□ □□(RID) : Not regulated

14.5. □□ □□□

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14.6. □□□□ □□ □□ □□□□

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Not regulated

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Not regulated

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Not regulated

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Not regulated

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Not regulated

14.7. □□□□□□(IMO)□ □□ □□ □□ □□

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□□ 15: □□ □□□□

15.1. □□, □□ □ □□□ □□□□ □□□□ □□ □□ □□/□□

EU □□

REACH □□□ XVII (□□ □□)

REACH □□□ XVII □□ □□ □□

REACH □□□ XIV (□□ □□)

REACH □□□ XIV (□□ □□)□ □□ □□ □□

REACH □□ □□ □□ (SVHC)

REACH □□ □□□ □□□ □□ □□ □□ □□

PIC □□ (□□□□□□)

PIC □□□ □□ □□ (□□ EU 649/2012)

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□□□□□□□□

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POP □□ (□□□ □□ □□□□)

POP □□□ □□ □ □(□□ EU 2019/1021)

Ozone Regulation (2024/590)

Not listed on the Ozone Depletion list (Regulation EU 2024/590)

□□□□ □□(428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

□□ □□□□ □□ (2019/1148)

□□□ □□□□ □□(□□ □□□□□ □□ □ □□□ □□ □□ EU 2019/1148)□ □□□ □□ □□ □□

□□ □□□□ □□ (273/2004)

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□□ □□

□□

VOC ordinance (ChemVOCFarbV) :

WGK : WGK 3, □□ □□ □□□ (Classification according to AwSV).

□□ □□ □□(12. BImSchV) : □□ □□ □□(12. BImSchV)□ □□ □□ □□

□□□□

SZW-lijst van kankerverwekkende stoffen : □□□ □□

SZW-lijst van mutagene stoffen : □□□ □□

SZW-lijst van reprotoxische stoffen – Borstvoeding : □□□ □□

SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : □□□ □□

SZW-lijst van reprotoxische stoffen – Ontwikkeling : □□□ □□

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15.2. □□ □□ □□□ □□

No chemical safety assessment has been carried out

□□ 16: □ □□ □□□□

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ACGIH	American Conference of Government Industrial Hygienists
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
BLV	□□ □□ □
BOD	Biochemical oxygen demand (BOD)
CAS □□	□□□□ □□ □□ □□(CAS)
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
COD	□□□ □□ □□□
CSA	□□ □□ □□□ □□
DMEL	Derived Minimal Effect level
DNEL	□□ □□□ □□
EC □□	□□ □□□ □□

INDIGO CARMINE AR

□□□□□□□□

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
