

Safety Data Sheet in accordance with Regulation (EU) No.453/2010



Indosol Black NF p

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Substance key: KS16336

Revision Date: 20.09.2013

Version : 1 - 0 / EU

Date of printing : 24.12.2013

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

1.1. Product identifier

Trade name

Indosol Black NF p

Material number: 104506

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

Relevant identified uses of the substance or mixture

Industry sector :

Textile processing industry

Type of use :

textile dye

1.3. Details of the supplier of the safety data sheet

Identification of the company

Archroma Management GmbH

Neuhofstrasse 11

4153 Reinach, Switzerland

Telephone no. : +41 61 469 5111

Information about the substance/mixture

Product Stewardship +41 61 469 5111

e-mail: PS.MSDS-Europe@archroma.com

1.4. Emergency telephone number

+49 69 2222 5285, +33 1 7211 0003, +39 0236 042 884 (24 h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according CLP regulation (Regulation (EC) No. 1272/2008, as amended)

Hazard class	Hazard category	H-phrases
Eye irritation	Category 2	Causes serious eye irritation.

Classification according EC Directive (67/548/EEC or 1999/45/EC, as amended)

Category of danger/Category	Hazard symbol	R - phrases
	Irritant	Irritating to eyes.

2.2. Label elements

Labelling in accordance with EC-Directives (67/548/EEC or 1999/45/EC, as amended)

Labelling according to EC Directives:

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Symbols/Indications of danger



Irritant

R phrases

36 Irritating to eyes.

S phrases

39 Wear eye/face protection.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

25 Avoid contact with eyes.

22 Do not breathe dust.

2.3. Other hazards

No additional hazards are known except those derived from the labelling.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

azo dyestuff
anionic

Hazardous ingredients

trisodium 6-[(2,4-diaminophenyl)azo]-3-[[4-[[4-[[7-[(2,4-diaminophenyl)azo]-1-hydroxy-3-sulphonato-2-naphthyl]azo]phenyl]amino]-3-sulphonatophenyl]azo]-4-hydroxynaphthalene-2-sulphonate

Concentration : 85 - 95 %

CAS number : 6473-13-8

EC number: 229-326-3

Classification hazard substance EC

Xi	Irritant	R 36
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GHS classification EC

Eye irritation	Category 2	H319
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Sodium carbonate

Concentration : 1 - 5 %

CAS number : 497-19-8

EC number: 207-838-8

Index Number 011-005-00-2

Classification hazard substance EC

Xi	Irritant	R 36
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GHS classification EC

Eye irritation	Category 2	H319
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The text of the R-phrases is shown in section 16.

The text of the H-phrases is shown in section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Seek medical assistance if discomfort continues

After inhalation

Immediately seek fresh air after inhaling of dust, vapour or aerosol.

After contact with eyes

Immediately rinse eyes with running water and seek medical advice.

After ingestion

If swallowed seek medical advice immediately (treat symptomatically).

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

Symptoms

No symptoms known currently.

Hazards

No hazards known at this time.

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

Treatment

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

all

Extinguishing media that must not be used for safety reasons

No restrictions

5.2. Special hazards arising from the substance or mixture

carbon oxides

nitrogen oxides

sulfur oxides

5.3. Advice for firefighters

Special protective equipment for firefighting

Use self-contained breathing apparatus

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Further information

Cool container and metallic parts with a water spray jet

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Wear suitable personal protective equipment.

6.2. Environmental precautions

Do not allow entry to drains, water courses or soil

6.3. Methods and material for containment and cleaning up

Clean equipment with water.

6.4. Reference to other sections

Additional information

Must not be released into sewers, drains or wells.

Combustible solid

Take up as such and consider recycling.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Keep container tightly closed.

Hygiene measures

Avoid contact with eyes.

Advice on protection against fire and explosion

Avoid formation of dust.

Observe the usual precautionary measures required for chemicals with dust explosive properties (Observe national regulations).

7.2. Conditions for safe storage, including any incompatibilities

Further information on storage conditions

Keep container tightly closed in a cool, well-ventilated place, open and handle carefully.

Keep away from sources of ignition.

7.3. Specific end use(s)

No further recommendations.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values

Exposure limit values are not available.

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DNEL/DMEL values

DNEL/DMEL values are not available.

PNEC values

PNEC values are not available.

8.2. Exposure controls

General protective measures

Observe the usual precautions for handling chemicals.

Eye protection : safety glasses

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state :	solid
Form :	solid
Particle size :	not tested.
Colour :	black
Odour :	none, not disagreeable
Odour threshold :	not tested.
pH value :	9,5 (20 °C, 10 g/l)
Melting point :	not applicable
Boiling point :	not applicable
Flash point :	not applicable
Evaporation rate :	not tested.
Minimum ignition energy :	< 10 J 1.013 hPa Dust explosion hazard Method : modified Hartmann tube
Vapour pressure :	Not applicable
Solubility in water :	< 1 g/l (25 °C) sparingly soluble
Octanol/water partition coefficient (log Pow) :	Not determined
Ignition temperature :	not tested.
Self-ignition temperature :	not tested.
Thermal decomposition :	160 °C Method : SANDOZ Radex isoperibolic decomposition test Heating rate: 0 K/min Air open cup

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Viscosity (dynamic) : Not applicable

9.2. Other information

Density : not tested.

Bulk density : 840 kg/m³

SECTION 10: Stability and reactivity

10.1. Reactivity

See section 10.3. "Possibility of hazardous reactions"

10.2. Chemical stability

Under normal conditions the product is stable.

10.3. Possibility of hazardous reactions

Risk of dust explosions.
Stable.

10.4. Conditions to avoid

Strong oxidizing agents.

10.5. Incompatible materials

not known

10.6. Hazardous decomposition products

When used and handled as intended, none.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information related to the product itself:

Acute oral toxicity : LD50 > 5.000 mg/kg (rat)
Method : 1999/45/EC

Acute dermal toxicity : not tested.

Acute inhalation toxicity : not tested.

Irritant effect on skin : non-irritant (rabbit)
Method : OECD 404 * 1992 dermal irritation / corrosion

Irritant effect on eyes : irritant (rabbit)
Method : OECD 405 * 1987 eye irritation / corrosion

Sensitization : not tested.

Repeated dose toxicity: not tested.

Genetic toxicity in vitro : not tested.

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Assessment of mutagenicity : not tested.

Assessment of carcinogenicity : not tested.

Assessment of toxicity to reproduction : not tested.

Information related to the component: Sodium carbonate

Acute oral toxicity : LD50 28.700 mg/kg (rat)
LD50 4.090 mg/kg (rat)

Acute dermal toxicity : LD50 > 2.000 mg/kg (rabbit)

Acute inhalation toxicity : LC50 2,3 mg/l (2 h, rat)
Aerosol

Irritant effect on skin : not irritant (rabbit)
Literary reference

Irritant effect on eyes : irritating (rabbit)

SECTION 12: Ecological information

12.1. Toxicity

Information related to the product itself:

Fish toxicity : LC50 > 100 mg/l (96 h)
Method : OECD 203

Daphnia toxicity : not tested.

Algae toxicity : not tested.

Bacteria toxicity : IC50 > 1.000 mg/l (3 h, activated sludge)
Method : OECD 209 * 1984 activated sludge.Respir.inhib.

Information related to the component: Sodium carbonate

Fish toxicity : practically non-toxic.

12.2. Persistence and degradability

Information related to the product itself:

Biodegradability : app. 15 % (28 d, DOC)
Method : OECD 302B * 1992 Zahn-Wellens/EMPA (inherent)

Chemical oxygen demand (COD) : 1.090 mg/g
Based on the components.

Biochemical oxygen demand (BOD5) : 21 mg/g
Method : EPA Method 5210B
5 d

Information related to the component: Sodium carbonate

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Biodegradability : The methods for determining biodegradability are not applicable to inorganic substances.

12.3. Bioaccumulative potential

Information related to the product itself:

Bioaccumulation: not tested.

Information related to the component: Sodium carbonate

Bioaccumulation: Bioaccumulation is unlikely.

12.4. Mobility in soil

Information related to the product itself:

Behaviour in environmental compartments

No known data.

Information related to the component: Sodium carbonate

Transport and distribution between environmental compartments : not applicable

12.5. Results of PBT and vPvB assessment

Information related to the product itself:

No data available.

Information related to the component: Sodium carbonate

no data available

12.6. Other adverse effects

Information related to the product itself:

Additional ecotoxicological remarks

Product does not contain any organic bound Halogens which could lead to AOX-values.

Information related to the component: Sodium carbonate

Additional ecotoxicological remarks

slightly water endangering

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product

Dispose of in accordance with local authority regulations

Uncleaned packaging

Consider recycling.

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Composition

C; H; N (10,3 %); O; S

SECTION 14: Transport information

Section 14.1. to 14.5.

ADR	not restricted
ADN	not restricted
RID	not restricted
IATA	not restricted
IMDG	not restricted

14.6. Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code (International Bulk Chemicals Code)

No transport as bulk according IBC - Code.

SECTION 15: Regulatory information

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

Other regulations

Apart from the data/regulations specified in this chapter, no further information is available concerning safety, health and environmental protection.

15.2. Chemical safety assessment

No Chemical Safety Assessment (CSA) is yet available for the substance, or for the component substances, contained in this product.

SECTION 16: Other information

Product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with legal regulations. The information contained herein is based on the present state of our knowledge and is intended to describe our products from the point of view of safety requirements. It should therefore not be construed as guaranteeing specific properties.

Text of the R-phrases assigned to the ingredients/components mentioned in section 3 :

36 Irritating to eyes.

List of the text of the hazard statements mentioned section 3 (H-phrases) :

H319 Causes serious eye irritation.

Legend

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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
AOX	Adsorbable organic bound halogens
CAS	Chemical Abstracts Service
DMEL	Derived Minimal Effect Level (genotoxic substances)
DNEL	Derived No Effect Level
EC50	Half maximal effective concentration
GHS	Globally Harmonized System
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Lethal Concentration 50%
LD50	Lethal Dose 50%
MARPOL	International Convention for the Prevention of Pollution From Ships
NOAEC	No Observed Adverse Effect Concentration
NOAEL	No Observed Adverse Effect Level
NOEC	Non Observed Effect Concentration
OEL	Occupational Exposure Limit
PBT	Persistent, Bioaccumulative, Toxic
PEC	Predicted Environmental Concentration
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	International Rule for Transport of Dangerous Substances by Railway
SVHC	Substances of Very High Concern
vPvB	very Persistent and very Bioaccumulative

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