

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



Indosol Rubinole SF-RGN p

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Substance key: KS7488

Revision Date: 24.05.2015

Version : 2 - 0 / EU

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

1.1. Product identifier

Trade name

Indosol Rubinole SF-RGN p

Material number: 102182

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 61 716 3401

Information about the substance/mixture

Product Stewardship +41 61 716 3401

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)

The product is not classified and labelled in accordance with GHS regulation and the relevant national laws.

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

The product is not classified as dangerous according to EC directives/the relevant national laws.

2.2. Label elements

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

The product is not classified and labelled in accordance with GHS regulation and the relevant national laws.

2.3. Other hazards

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

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SECTION 3: Composition/information on ingredients

Component	CAS-no. (Trade secret no.)	Concentration
Copper (As An Integral Part Of The Dye or Pigment Molecule)	7440-50-8	< 10.5 %
Copper Compound		< 98 %

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Get medical advice/ attention if you feel unwell.

After inhalation

If inhaled, remove to fresh air.

After contact with skin

In case of contact, immediately flush skin with plenty of water.

After contact with eyes

Rinse the affected eye with plenty of water, at the same time keep the unaffected eye well protected.

After ingestion

If swallowed, call a poison control centre or doctor 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

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Carbon oxides
Copper oxides
Nitrogen oxides (NOx)
Sulphur oxides

5.3. Advice for firefighters

Special protective equipment for firefighting

Self-contained breathing apparatus

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 protective equipment.

6.2. Environmental precautions

The product should not be allowed to enter drains, water courses or the soil.

6.3. Methods and material for containment and cleaning up

Wash with plenty of water.

After processing, clean all equipment with the following:

Water

6.4. Reference to other sections

Additional information

Do not empty into drains.

Do not dispose of waste into sewer.

Take up as such and consider recycling.

Combustible Solids

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

No special measures necessary.

Hygiene measures

This preparation is classified as non-hazardous. However the usual precautions for handling chemicals must be observed to avoid contact with the skin, eyes and respiratory tract. In case of contact with the product, wash the eye immediately with running water and the skin with water and soap.

Advice on protection against fire and explosion

Potential dust explosion hazard.

7.2. Conditions for safe storage, including any incompatibilities

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Further information on storage conditions

Keep containers tightly closed in a cool, well-ventilated place.
Handle and open container with care.
Keep away 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.

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.

Respiratory protection :

Wear dust mask when handling large quantities

Hand protection :

Chemical resistant gloves

Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Eye protection :

Safety glasses

Body protection :

working clothes

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state :

solid

Form :

powder

Particle size :

not tested.

Colour :

dark brown

Odour :

none

Odour threshold :

not tested.

pH value :

8 (20 °C, 50 g/l)

Melting point :

not applicable

Boiling point :

not applicable

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Flash point :	not applicable
Evaporation rate :	not tested.
Flammability :	no reaction up to 360 °C Method : Sandoz Ignition test of deposited dust. Ignition test of deposited dust
Combustion number :	BZ2 Short flaring up without spreading (20 °C) Method : VDI 2263, ESCIS, Vol. 1
Combustion number :	BZ2 Short flaring up without spreading (100 °C) Method : VDI 2263, ESCIS, Vol. 1
Minimum ignition energy :	> 1 J 1.013 hPa not capable of dust explosion Method : modified Hartmann tube
Vapour pressure :	not applicable
Solubility in water :	approximately 60 g/l (90 °C)
Octanol/water partition coefficient (log Pow) :	not determined
Ignition temperature :	not tested.
Self-ignition temperature :	not tested.
Thermal decomposition :	180 °C Method : isoperibolic decomposition test
Thermal decomposition :	210 °C Method : dynamic decomposition test
Viscosity (dynamic) :	not applicable

9.2. Other information

Density :	not tested.
Bulk density :	960 kg/m ³
Impact sensitivity :	39 J Not impact sensitive. (5 kg, 0,8 m) Method : Lütolf test method

SECTION 10: Stability and reactivity

10.1. Reactivity

See section 10.3. "Possibility of hazardous reactions"

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

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none

10.4. Conditions to avoid

None known.

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 : OECD Test Guideline 401
Acute inhalation toxicity :	not tested.
Irritant effect on skin :	No skin irritation (rabbit) Method : OECD Test Guideline 404
Irritant effect on eyes :	No eye irritation (rabbit) Method : OECD Test Guideline 405
Sensitization :	Does not cause skin sensitisation. (guinea pig) Method : Magnusson/Kligman
Assessment of carcinogenicity :	No information available.
Assessment of toxicity to reproduction :	No information available.

SECTION 12: Ecological information

12.1. Toxicity

Information related to the product itself:

Fish toxicity :	LC50 > 560 mg/l (96 h, Cyprinus carpio (Carp)) Method : OECD Test Guideline 203
Daphnia toxicity :	EC50 > 100 mg/l Method : Evaluated according to GHS (Globally Harmonized System) criteria EC50 approximately 191,8 mg/l (24 h, Daphnia magna (Water flea)) Method : OECD Test Guideline 202
Algae toxicity :	not tested.

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Bacteria toxicity : IC50 > 100 mg/l
Method : OECD Test Guideline 209

12.2. Persistence and degradability

Information related to the product itself:

Biodegradability : 13 % (28 d, Dissolved organic carbon (DOC))
Not biodegradable.
Method : OECD Test Guideline 302B
44 % (28 d)
Method : OECD Test Guideline 301E
431 mg/g

**Chemical oxygen
demand (COD) :**

12.3. Bioaccumulative potential

Information related to the product itself:

Bioaccumulation: not tested.

12.4. Mobility in soil

Information related to the product itself:

Behaviour in environmental compartments
no data available

12.5. Results of PBT and vPvB assessment

Information related to the product itself:

no data available

12.6. Other adverse effects

Information related to the product itself:

Additional ecotoxicological remarks
no data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product

Incineration in an approved, controlled furnace with combustion gas scrubbing and emission gas control.

Uncleaned packaging

Consider recycling.

Composition

C; Cl; Cu (3,8 %); H; N; Na; O; S

SECTION 14: Transport information

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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 therefor not be construed as guaranteeing specific properties.

Legend

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

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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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