

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



Indosol Yellow SF-2RL p

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Substance key: KS6931

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 Yellow SF-2RL p

Material number: 102801

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

Category of danger/Category	Hazard symbol	R - phrases
		May cause sensitization by skin contact.

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

43 May cause sensitization by skin contact.

S phrases

37 Wear suitable gloves.
24 Avoid contact with skin.
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

C.I. Direct Yellow 162

Concentration : 55 - 65 %
CAS number : 81898-60-4
EC number: 400-010-9
Index Number 016-034-00-4
REACH - Registration number according to article 20(3): 01-0000015000-93-0000, 01-0000015000-93-0001

Classification hazard substance EC

	R 43
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GHS classification EC

Skin sensitisation	Category 1	H317
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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

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General information

Seek medical assistance if discomfort continues

After inhalation

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

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.

After contact with eyes

In case of contact with eyes rinse thoroughly with plenty of 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
hydrogen chloride
nitrogen oxides
sulfur oxides

5.3. Advice for firefighters

Special protective equipment for firefighting

Use 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

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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

Rinse away small amounts with water

6.4. Reference to other sections

Additional information

Must not be released into sewers, drains or wells.

Take up as such and consider recycling.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

No special measures required.

Hygiene measures

Do not breathe dust.

Recently several cases of allergy of the respiratory tract have come to light which have been traced to the sensitizing effect of certain halogenated heterocyclic compounds inhaled in dust form. It can not be ruled out with certainty that the handling of similar compounds - among others the subject compound - also involve a risk of this type, if they are not handled with the care and cleanliness required for all dust forming substances. At present, no recognized test for detecting this risk is available.

For this reason, dust formation must be avoided when handling halogenated heterocyclic compounds. If no suitable ventilation or exhaust ventilation equipment is available, dust masks should be worn. Also contact with the skin should be avoided by wearing suitable clothing and protective gloves. Should asthmatic symptoms occur in spite of these measures, a physician must be consulted. Sensitized persons should be transferred to another workplace.

Although no cases of sensitization due to handling solutions of halogenated heterocyclic compounds have become known, the above statements and recommendations also apply correspondingly to aerosols of solutions of halogenated heterocyclic compounds.

Advice on protection against fire and explosion

Organic products which are intentionally or unintentionally in powdered form have, in principle, the possibility of creating a dust explosion hazard

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.

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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
Observe the information of the glove manufacturers on permeability and breakthrough times and other workplace requirements

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 : yellow

Odour : none

Odour threshold : not tested.

pH value : approx. 7 (20 °C, 50 g/l)

Melting point : not applicable

Boiling point : not applicable (1.013 hPa)

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

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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 a dust explosion hazard. Method : modified Hartmann tube
Vapour pressure :	Not applicable
Solubility in water :	approx. 30 g/l (25 °C) soluble
Octanol/water partition coefficient (log Pow) :	Not determined
Ignition temperature :	not tested.
Self-ignition temperature :	not tested.
Thermal decomposition :	220 °C Method : isoperibolic decomposition test
Thermal decomposition :	230 °C Method : dynamic decomposition test
Viscosity (dynamic) :	Not applicable

9.2. Other information

Density :	not tested.
Bulk density :	approx. 490 kg/m ³

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

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.

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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information related to the product itself:

Acute oral toxicity :	LD50 > 2.000 mg/kg (rat) Method : OECD 401 * 1987 acute tox.oral
Acute dermal toxicity :	not tested.
Acute inhalation toxicity :	not tested.
Irritant effect on skin :	non-irritant (rabbit) Method : OECD 404 * 1981 dermal irritation / corrosion
Irritant effect on eyes :	non-irritant (rabbit) Method : OECD 405 * 1981 eye irritation / corrosion
Sensitization :	Yes (Guinea pig) Method : 1999/45/EC
Repeated dose toxicity:	not tested.
Genetic toxicity in vitro :	not tested.
Assessment of mutagenicity :	not tested.
Assessment of carcinogenicity :	not tested.
Assessment of toxicity to reproduction :	not tested.

SECTION 12: Ecological information

12.1. Toxicity

Information related to the product itself:

Fish toxicity :	LC50 > 500 mg/l (96 h, rainbow trout (salmo gairdneri, oncorhynchus mykiss)) Method : test result of the active component according to OECD 203
Daphnia toxicity :	EC50 > 500 mg/l (48 h, daphnia magna (water flea)) Method : OECD 202.I
Algae toxicity :	not tested.
Bacteria toxicity :	IC50 > 100 mg/l (activated sludge) Method : ETAD method 103

12.2. Persistence and degradability

Information related to the product itself:

Biodegradability :	approx. 25 % (14 d, TOC) Little or no biodegradation Method : Zahn-Wellens test
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Chemical oxygen demand (COD) :	894 mg/g Method : SANDOZ internal test
Biochemical oxygen demand (BOD5) :	4 mg/g Method : SANDOZ internal test 5 d

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 known data.

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 suitable incineration plant, observing local authority regulations

Uncleaned packaging

Consider recycling.

Composition

C; Cl; H; N; Na; 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

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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.

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

43 May cause sensitization by skin contact.

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

H317 May cause an allergic skin reaction.

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
LC50	Lethal Concentration 50%
LD50	Lethal Dose 50%
MARPOL	International Convention for the Prevention of Pollution From Ships

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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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