

Version: 03
Product Name: INDIAPOL SBR-1500

Issue date: 28th Jun, 2016
Revision date: 2nd May, 2019

Section 1: Identification of the Substance & the Company/ Undertaking

1.1 Product identifier

Product Name : INDIAPOL SBR-1500

1.2 Other means of identification

Synonyms : No information available

1.3 Recommended use of the chemical and restrictions on use

Recommended Use : Raw material for rubber products (tyres, shoes material, belt, rubber clothing, roller, rubber floor and hoses)

Uses advised against : No information available

1.4 Details of the supplier of the safety data sheet

Supplier : Indian Synthetic Rubber Private Limited

Address : Opp. Naphtha Cracker Polymer Terminal gate, Panipat refinery, India

Postal Code : 132140

Phone : +91-0180-2529100

FAX : +91-120-4871030

E-mail : info@isrpl.co.in

1.5 Emergency telephone number

+91-0180-2529100

Section 2: Hazards Identification

2.1 Classification of the substance or mixture

Skin sensitization: Category 1.

Chronic aquatic toxicity: Category 3.

2.2 Label elements

Symbols/Pictograms:



Signal word: Warning

Hazard Statements: H317 - May cause an allergic skin reaction.

H412 - Harmful to aquatic life with long lasting effects.

- Precautionary Statements:**
- P261 - Avoid breathing dust/fume/gas/mist/vapours/spray
 - P272 - Contaminated work clothing should not be allowed out of the workplace
 - P280 - Wear protective gloves/protective clothing/eye protection/face protection
 - P273 - Avoid release to the environment
 - P302 + P352 - IF ON SKIN: Wash with plenty of soap and water
 - P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention
 - P501 - Dispose of contents/ container to an approved waste disposal plant.

2.3 Other hazards

No information available.

Section 3: Composition / Information on Ingredients

3.1 Description: Polymer

Chemical Name	CAS No	Weight-%
Styrene-Butadiene polymer	9003-55-8	>93.4
Rosin	8050-09-7	<5
Vegetable Fatty acid, C14-C18	57-10-3,112-80-1,60-33-3	<1
Antioxidants	Proprietary	<0.6

Section 4: First Aid Measures

4.1 Description of first aid measures

- General advice:** Remove contaminated clothing and shoes. If symptoms persist, call a physician.
- Inhalation:** Not an expected route of exposure.
- Skin Contact:** Wash off immediately with soap and plenty of water.
- Eye contact:** Not an expected route of exposure. In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Ingestion:** Not an expected route of exposure. IF SWALLOWED: Immediately call Poison centre or Doctor/Physician.

4.2 Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction.

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 measures that are appropriate to local circumstances, the surrounding environment.

Unsuitable extinguishing media: No information available.

5.2 Specific hazards arising from the chemical

No information available

5.3 Protective equipment and precautions for firefighters

Evacuate personnel to safe areas. Move containers from fire area if you can do it without risk. Cool drums with water spray. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Stay upwind. Ensure adequate ventilation, especially in confined areas.

Section 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas. Remove all sources of ignition. Avoid contact with skin, eyes or clothing. Do not breathe dust/fume/gas/mist/vapours/spray. Ensure adequate ventilation, especially in confined areas.

6.2 Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas.

6.3 Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal.

Section 7: Handling and Storage

7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation, especially in confined areas. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Use personal protection recommended in Section 8. Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat. Keep away from food, drink and animal feeding stuffs. Store in accordance with local regulations. Store in room temperature lower than 35 °C. The product shelf life is one year (under above defined storage condition) from the date of manufacture.

Section 8: Exposure Control/ Personal Protection

8.1 Control parameters

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	Denmark	European Union
Rosin (CAS #: 8050-09-7)	-	(vacated) TWA: 0.1 mg/m3 Formaldehyde	TWA: 0.1 mg/m3 Formaldehyde	-	-

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Chemical Name	Latvia	France	Finland	Germany	Italy
Rosin (CAS #: 8050-09-7)	TWA: 4 mg/m ³	TWA: 0.1 mg/m ³	-	-	-

Chemical Name	Norway	United Kingdom	Australia	Austria	Belgium
Rosin (CAS #: 8050-09-7)	-	TWA: 0.05 mg/m ³	0.1 mg/m ³	-	-

8.2 Appropriate engineering controls

Showers. Ensure adequate ventilation, especially in confined areas.

8.3 Individual protection measures, such as personal protective equipment

Respiratory protection: In case of inadequate ventilation wear respiratory protection.
Hand Protection: Wear protective gloves.
Eye/face protection: No special technical protective measures are necessary.
Skin and body protection: Wear suitable protective clothing.

Section 9: Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance	Solid
Colour	Brown
Odour	Odourless
Odour Threshold	Not determined
pH	Not determined
Melting point/freezing point	Not determined
Boiling point / boiling range	Not determined
Flammability (solid, gas)	Not determined
Flammability Limit in Air	Not determined
Flash point	Not determined
Auto ignition temperature	Not determined
Decomposition temperature	Not determined
Kinematic viscosity	Not determined
Dynamic viscosity	Not determined
Solubility(ies)	Not determined
Partition coefficient (Log Pow)	Not determined
Vapour Pressure	Not determined
Density	Not determined
Relative density	Not determined
Vapour density	Not determined
Evaporation rate	Not determined
Explosive properties	Not explosive
Oxidizing properties	Not determined

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9.2 Other information

No information available

Section 10: Stability and Reactivity

10.1 Reactivity

Stable under recommended storage and handling.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of Hazardous Reactions

None under normal processing.

10.4 Conditions to avoid

Strong heat, flames, sparks and incompatible materials.

10.5 Incompatible materials

Strong oxidizing agents, strong acid and alkali.

10.6 Hazardous Decomposition Products

Carbon monoxide, carbon dioxide, nitrogen oxides

Section 11: Toxicological Information

11.1 Acute toxicity

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Rosin (CAS #: 8050-09-7)	= 7600 mg/kg (Rat)	> 2500 mg/kg (Rabbit)	-

11.2 Skin corrosion/irritation

Non-irritating to the skin.

11.3 Serious eye damage/eye irritation

No eye irritation.

11.4 Sensitization

May cause an allergic skin reaction.

11.5 Germ cell mutagenicity

No information available.

11.6 Carcinogenicity

Chemical Name	IARC
Styrene-Butadiene polymer (CAS #: 9003-55-8)	Group 3

11.7 Reproductive toxicity

No information available.

11.8 STOT - single exposure

No information available.

11.9 STOT - repeated exposure

No information available.

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12.0 Aspiration hazard
No information available.

Section 12: Ecological Information

12.1 Eco-toxicity

Chemical Name	Algae/aquatic plants EC50	Fish LC50	Crustacea EC50
Rosin (CAS #: 8050-09-7)	400: 72 h Desmodesmus subspicatus mg/L EC50	-	3.8 - 5.4: 48 h Daphnia magna mg/L EC50

12.2 Persistence and degradability
No information available.

12.3 Bioaccumulation
No information available.

12.4 Mobility
No information available.

12.5 Other adverse effects
No information available.

Section 13: Disposal Information

13.1 Waste treatment methods

- 13.1.1 Waste from Residues/Unused Products Disposal should be in accordance with applicable regional, national and local laws and regulations.
- 13.1.2 Contaminated Packaging Empty containers should be taken for local recycling, recovery or waste disposal.

Section 14: Transport Information

UN Number	Not regulated
UN Proper shipping name	Not regulated
Hazard Class	Not regulated
Packing Group	Not regulated
Environmental hazards	Not applicable
Special precautions	No information available
Transport in bulk according to Annex II of MARPOL and the IBC Code	Not applicable

Section 15: Regulatory Information

15.1 International Inventories

Component	AICS	DSL/NDSL	EINECS/ELI NCS	ENCS	IECSC	KECL	PICCS	TSCA
Styrene-Butadiene polymer 9003-55-8	X	X	-	X	X	X	X	X
Rosin 8050-09-7	X	X	X	X	X	X	X	X
Vegetable Fatty acids 57-10-3,112-80-1,60-33-3	X	X	X	-	X	X	X	X
Antioxidants	X	X	X	X	X	X	X	X

"-" Not Listed; "X" Listed

Section 16: Other Information

16.1 Revision Note

Issue Date: 28th June , 2016
Revision date: 2nd May , 2019
Revision Note: Details modified as per UN GHS and Licensor's reference. Brand name updated.

16.2 Key or legend to abbreviations and acronyms used in the safety data sheet

- ❖ **TWA** - TWA (time-weighted average)
- ❖ **STEL** - STEL (Short Term Exposure Limit)
- ❖ **Ceiling** - Maximum limit value
- ❖ **TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- ❖ **DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- ❖ **IECSC** - China Inventory of Existing Chemical Substances
- ❖ **EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ❖ **ENCS** - Japan Existing and New Chemical Substances
- ❖ **KECL** - Korean Existing and Evaluated Chemical Substances
- ❖ **NZIoC** - New Zealand Inventory of Chemicals
- ❖ **PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- ❖ **AICS** - Australian Inventory of Chemical Substances.

16.3 Disclaimer:

Limited warranty

There are no warranties which extend beyond the product description herein, and seller makes no warranty, express or implied, of fitness for particular use, merchantability or otherwise with respect to product, whether used singly or in combination with other substances or in any process, except that product sold hereunder shall conform to seller's standard sales specifications as of the date of the shipment. Without limiting the foregoing, seller does not recommend or endorse the use of product(s) in any medical application and specifically disclaims any representation or warranty, express or implied, of suitability or fitness for use or otherwise, with respect to product(s)' use in any medical application. Buyer represents and warrants that no product(s) purchased hereunder will be used in or resold into any commercial or developmental manner in connection with medical applications without seller's prior express written acknowledgement, further, buyer agrees that it will make no representations, express or implied, to any person to the effect that seller recommends or endorses the use of product(s) purchased hereunder in any medical application.

This product should be stored, handled and used in accordance with good industrial hygiene practices and in conformity with any legal regulation. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

This information is based on our current knowledge and Licensor's reference and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

----- End of Safety Data Sheet -----