

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

1.1 Product identifier

Product Name : INDIAPOL SBR-1502

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 | >93.8 |
| Rosin | 8050-09-7 | <3 |
| Vegetable Fatty acid, C14-C18 | 57-10-3,112-80-1,60-33-3 | <2 |
| Antioxidants | Proprietary | <1.2 |

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 | - | - |

| 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 | Light yellow |
| 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 conditions..

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 -----