

## R SOFT 44

### Specially designed softener for sizing of spun yarn

**R SOFT-44** is designed for flexibilising starch, improving lubricity and minimizing the loss of adhesion.

**R SOFT-44** is a new generation product based on new chemistry. It reduces the brittleness of starch and improves lubricity.

Features	Benefits
Improves Abrasion Resistance	Reduced dropping on the loom. Improved appearance of grey fabric. Higher weight of fabric / unit length.
Minimum loss of adhesion	Specialty designed for sizing of spun yarn.
Improves lubricity	Reduces roughness of starch film.
Reduced need of adhesion promoting Polymers	Cost effective product.
Improves surface finish	Gives enhanced lubricity for weaving.

### Specifications:

Solid content	:	75 ± 2%
Ph	:	6.5 – 7
Appearance	:	Thick Emulsion Paste

### Application:

The recommended dosage of this softener is 2% based on starch. The product should be cooked with starch, polymers and other ingredients. It should not be added in the storage tank for best result.

**Complimentary products:**

- **Zytoplast & Zytoplast TT:** Modified starch for spun sizing
- **Ran 1000:** Acrylic based binder for spun yarn sizing
- **R Cryl:** Acrylic based binder for spun yarn sizing
- **Z 3000 ACP:** polyester resin based binder for spun yarn sizing

**Storage:**

- ❖ Do not store above 45°C or in direct sun.
- ❖ Minimum Shelf life is 6 months

**Disclaimer:** *The information in this leaflet is given in good faith but without warranty. We recommend that before using our products, the customer should make his own tests to determine the suitability of the products for his own purpose under his operating conditions. As the circumstances under which our products are stored, handled and used are beyond our control, we cannot assume any responsibility for their use by the customers.*

## **MATERIAL SAFETY DATA SHEET**

1. Trade Name : **R SOFT 44**

**Company:**

ZYDEX INDUSTRIES  
25A, GANDHI OIL MILL COMPOUND  
GORWA  
VADODARA-390016, INDIA

**Emergency information:**

ZYDEX INDUSTRIES  
TELEPHONE NO.+91 265 2280865, 2283386 FAX NO.91 265 2280872

2. **Composition/information on ingredients:**

Chemical nature: Formulated-Polymer **Product**

3. **Possible hazards**

Critical hazards to man and the environment: Non-hazardous

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4. **First aid measures:**

General advice: Remove contaminated clothing

If inhaled: Keep patient calm, remove to fresh air

On skin contact: Wash thoroughly with soap and water

On contact with eyes: Wash affected eyes for at least 15 minutes under running water with eyelids help open, consult an eye specialist, if necessary.

On ingestion: Rinse mouth and then drink plenty of water

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5. **Fire fighting measures:**

Suitable extinguishing media: Water spray, dry extinguishing media carbon di-oxide (CO<sub>2</sub>) Non-flammable and hence no fire hazard.

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6. **Accidental release measures:**

Personal precautions:	No special measures necessary
Environmental precautions:	Do not let product enter drains
Methods for clearing up:	Contain with absorbent material and dispose. Clean with water.

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7. **Handling and storage:**

Handling:	Ensure thorough ventilation of stores and work areas
Protection against fire & explosion:	No special measures necessary
Storage:	Keep tightly closed in a dry and cool place.

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8. **Exposure controls and personal protection**

Personal protective equipment	
Respiratory protection:	Avoid breathing vapour
Hand protection:	Protective gloves
Eye protection:	Goggles
General safety and hygiene measures:	The usual precautions for the handling of chemicals must be observed.

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9. **Physical and chemical properties:**

Form	:	Thick Emulsion Paste
Colour	:	Yellowish
Odour	:	No odour
Flash point	:	N/A
Ignition temperature:	:	N/A
Explosion hazard	:	No explosion hazard
Vapour pressure	:	N/A
Solubility in water	:	Dispersible in water
pH value	:	7
Viscosity	:	N/A

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10. **Stability and reactivity**

Stable Storage time: Maximum 6 months

Hazardous reactions : None, provided product is correctly processed

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11. Toxicological information: NON-TOXIC

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12. **Ecological information:**

General Notes:

Do not allow material to be released to the environment without proper governmental permits.

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13. **Disposal consideration:**

Product: Must be dumped or incinerated in accordance with local regulations

Contaminated packaging: Uncontaminated packs can be re-used. Packs that cannot be cleaned should be disposed of in the same manner as the contents.

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14. **Transport Information:** Not a hazardous material for transportation.

**DOT regulations**

Hazard class : Not regulated.

Land transport ADR/RID (Cross-border)  
ADR/RID Class : Not regulated.

Maritime transport IMDG:  
IMDG Class : Not regulated.

Air transport ICAO-TI and IATA-DGR:  
ICAO/IATA Class : Not regulated.

Transport/Additional information: Not dangerous according to the above specifications.

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## 15. Regulations

Product related hazard information:

\*Hazard symbols: Non-hazardous

\*Safety phrases:

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

36 Wear suitable protective clothing.

\*National regulations:

All components of this product are listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory.

\*Information about limitation of use:

For use only by technically qualified individuals.

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## 16. Other Information

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of the information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product conformance with this Material Safety Data Sheet, or in combination with any product or process, is the responsibility of the user.

.Department issuing MSDS: Safety and Environmental Department.

.Contact: Ajay I. Ranka

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**PS:** The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties. Recipients of our product must take responsibility for observing existing laws and regulations.

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