

Safety Data Sheet (SDS)

Durafil Water Soluble Yarn

20°C Soluble | Ne 40/1

Prepared for Industrial and Professional Use

1. Product Identification

Item	Description
Product Name	Durafil Water Soluble Yarn
Product Type	Temporary Process Yarn
Material	Polyvinyl Alcohol (PVA) Based Yarn
Intended Use	Temporary support / stabilisation yarn for weaving and knitting, removed by water dissolution
Supplier	Durafil

2. Hazard Identification

Under normal storage and handling conditions, this product is generally considered a manufactured textile article with low hazard risk.

Primary risks are operational rather than chemical.

Possible hazards:

- Slip hazard if loose yarn accumulates on floors
 - Mechanical entanglement with rotating machinery
 - Dust or fibres may cause minor irritation in sensitive individuals
 - Wet floors during dissolution processes may create slip risk
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3. Composition / Information on Ingredients

Component	Description
Main Material	Polyvinyl Alcohol (PVA) Fibre / Yarn
Appearance	White / Off-white spun yarn
Additives	May contain normal textile processing additives

4. First Aid Measures

Inhalation

If dust or airborne fibres cause irritation:

- Move person to fresh air
- Seek medical advice if symptoms continue

Skin Contact

No special measures normally required.

Wash with water if irritation occurs.

Eye Contact

If particles enter eye:

- Rinse cautiously with clean water
- Remove contact lenses if easy to do
- Seek medical advice if irritation continues

Ingestion

Not intended for ingestion. Seek medical advice if required.

5. Fire Fighting Measures

Suitable extinguishing media:

- Water spray
- Foam
- Dry chemical
- Carbon dioxide

Combustion may generate smoke and decomposition fumes.

Firefighters should use suitable protective equipment.

6. Accidental Release Measures

For spilled yarn or packages:

- Collect mechanically
- Keep floors clear to prevent slipping
- Dispose according to local regulations

No special environmental emergency measures normally required.

7. Handling and Storage

Handling

- Use normal industrial hygiene practices
- Keep work area tidy
- Avoid loose yarn near moving machinery
- Protect from contamination
- Avoid unnecessary moisture exposure before use

Storage

- Store in cool, dry area
 - Keep in original packaging until use
 - Avoid exposure to high humidity
 - Protect from water contact
 - Keep away from direct sunlight
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8. Exposure Controls / Personal Protection

Under normal use, special PPE is not normally required.

Where dust or fibres are generated:

- Use good ventilation
 - Wear eye protection if appropriate
 - Follow normal textile factory safety procedures
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9. Physical and Chemical Properties

Property	Typical Description
Appearance	Yarn on cone / package
Colour	White / Off-white
Odour	Mild / none
Material	PVA
Water Solubility	Dissolves in water at approximately 20°C and above
Moisture Sensitivity	High before use

10. Stability and Reactivity

Stable under recommended dry storage conditions.

Avoid:

- Excessive humidity
- Direct water contact before intended use
- Extreme heat
- Strong oxidising chemicals

Product is designed to dissolve in water under suitable conditions.

11. Toxicological Information

No known significant hazard under intended industrial use as supplied.

Primary concerns relate to:

- Dust irritation
 - Mechanical handling risks
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12. Ecological Information

Dispose responsibly according to local regulations.

Because the product is water soluble, discharge practices should comply with local wastewater and environmental requirements.

13. Disposal Considerations

Dispose of waste yarn, packaging, and contaminated material in accordance with local regulations.

Industrial users should follow site waste procedures.

14. Transport Information

Not normally classified as dangerous goods for standard transport.

Protect from:

- Moisture
- Water damage
- Crushing
- High humidity exposure

15. Regulatory Information

Users are responsible for ensuring compliance with local workplace, environmental, wastewater, and product regulations relevant to their jurisdiction.

16. Other Information

This SDS is provided as general guidance for professional users.

Durafil Water Soluble Yarn performance depends on dry storage before use and correct controlled dissolution processing.

Final suitability under actual production conditions remains the responsibility of the user.

11. Contact for Technical Support

For technical queries:

Email: info@durafil-group.com