

Safety Data Sheet (SDS)

Durafil Heat Soluble Thread

Prepared for Industrial and Professional Use

1. Product Identification

Item	Description
Product Name	Durafil Heat Soluble Thread
Product Type	Temporary Stitching Thread
Intended Use	Temporary sewing thread removed by controlled heat
Recommended Use Position	Bobbin thread only
Not Recommended	Needle thread use
Supplier	Durafil

2. Hazard Identification

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

Potential risks may arise during processing involving heat.

Possible hazards:

- Burns from hot equipment or heated thread area
 - Fumes if overheated or thermally degraded
 - Minor cuts or abrasion from packaging materials
 - Slip hazard if waste thread accumulates on floors
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3. Composition / Information on Ingredients

Component	Description
Main Material	Low temperature melting synthetic polymer thread
Colour	Natural
Additives	May contain normal processing additives typical for textile thread manufacture

4. First Aid Measures

Inhalation

If fumes from overheating are inhaled:

- Move person to fresh air
- Seek medical advice if irritation continues

Skin Contact

For hot melted material contact:

- Cool affected area with clean water
- Do not forcibly remove adhered molten polymer
- Seek medical attention if required

Eye Contact

If dust or particles enter eye:

- Rinse cautiously with clean water
- Seek medical advice if irritation continues

Ingestion

Not intended for ingestion. Seek medical advice if necessary.

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 thread, cones, or waste:

- 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 overheating during processing
- Use as bobbin thread only
- Do not use as needle thread due to friction heat risk

Storage

- Store in cool, dry area
 - Protect from direct sunlight
 - Keep away from heat sources
 - Keep packaging closed when not in use
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8. Exposure Controls / Personal Protection

Under normal sewing use, special PPE is not normally required.

Where heated processing creates fumes or hot surfaces:

- Use suitable ventilation
- Use heat protection where appropriate
- Follow factory pressing safety procedures

9. Physical and Chemical Properties

Property	Typical Description
Appearance	Thread on spool / cone
Colour	Natural
Odour	Mild / none
Solubility	Not water soluble
Softening / Activation Range	Approx. 80–90°C
Nominal Melting Point	Approx. 85°C

10. Stability and Reactivity

Stable under recommended storage conditions.

Avoid:

- Excessive heat
- Open flame
- Thermal degradation temperatures

Hazardous decomposition may occur if severely overheated.

11. Toxicological Information

No known significant hazard under intended industrial use as supplied.

Primary risks are process-related:

- Thermal burns
 - Irritation from decomposition fumes if overheated
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12. Ecological Information

Dispose responsibly according to local waste regulations.

Do not intentionally release large quantities into the environment.

13. Disposal Considerations

Dispose of waste thread, 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:

- Excessive heat
 - Crushing
 - Water damage
 - Sun exposure during transit
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15. Regulatory Information

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

16. Other Information

This SDS is provided as general guidance for professional users.

Durafil Heat Soluble Thread is designed for **bobbin thread use only** and must never be used as a needle thread.

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