



MSDS Material Safety Data Sheet

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product name: Surgical sutures

Physical nature: Monofilament or braided continuous thread, different compositions and diameters.

Producer and supplier: **SMI AG**
Steinerberg 8, 4780 ST. VITH – BELGIUM
Phone.: + 32 - (0)80 - 227292
Fax: + 32 – (0)80 - 226918
E-mail: info@sutures.be

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature: Surgical sutures

3. HAZARDS IDENTIFICATION

Surgical sutures have not been associated with negative effects on humans and environment if used in accordance with good industrial hygiene practice and any legal requirements.

4. FIRST- AID MEASURES

Inhalation: Not specifically concerned

Skin contact: In case of fire, the molten product may cause burns. Rinse with plenty of water.

Eye contact: Not specifically concerned

Ingestion: Not specifically concerned

5. FIRE FIGHTING MEASURES

Fire extinguishing agents:	All usual extinguishing media may be used
Restrictions:	Full water jet
Special protection equipment:	Use mask with universal filter. In closed rooms use autonomous respirator.

6. ACCIDENTAL RELEASE MEASURES

Accidental dispersion / spill:	Collect material controlled re-use or waste disposal. No special safety risks or risks to the environment.
---------------------------------------	--

7. HANDLING AND STORAGE

Fire precautions:	Remove dust, fly and finish residues by ventilation and vacuum cleaning, especially on heat setting operations. Keep away from ignition sources. Beware of static electricity and discharges.
Storage:	No special safety precautions.
Storage conditions:	Consider technical advises referring to optimal processability.
Packaging conditions:	The product is packed upon delivery in suitable packaging material which may be recycled.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with occupational exposure limits: none

Industrial hygiene:	No special risks if handled in accordance with good industrial hygiene practice and any legal requirements.
Personal protection:	According to good practice of the industry.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Monofilament or braided thread
Colour:	Undyed or solution dyed

Odour:	Odorless
Melting point / Melting range	[°C] 100-250
Flash point:	[°C] >300
Ignition temperature	[°C] >300
Explosion limits	[°C] not explosive
Thermal decomposition	[°C] Starts at about 300 °C
Density 23 °C	[g/cm ³] <1
Solubility in water	not water soluble

10. STABILITY AND REACTIVITY

Chemical stability:	stable under normal storage conditions
Conditions to avoid:	none under normal handling and storage conditions. It decomposes at more than 300 °C.
Hazardous decomposition products:	none known at normal room temperature

11. TOXICOLOGICAL INFORMATION

The thread product does not present special risks on humans if used in accordance with good Industrial hygiene, practice and the concerning legal requirements.

Sterile.

12. ECOLOGICAL INFORMATION

Surgical sutures are not associated with ecological problems, provided that the wastes are orderly disposed of.

Because of its chemical nature, the product is not ecotoxic.

13. DISPOSAL CONSIDERATIONS

Can be disposed of as solid waste or burned in suitable installations, subject to local regulations.

Packaging is made from cardboard products and foils which may be reused, recycled or disposed off according to local regulation.

Recycling or thermal recycling is recommended for both the product and packaging material.

14. TRANSPORT INFORMATION

Regulations	Class UN-No.
RID/ADR:	not classified as hazardous
CAO/IATA-DGR:	not classified as hazardous
GGVSc/IMDG-Code	not classified as hazardous

15. REGULATORY INFORMATION

EC-Mark Not classified according to EC Regulation 1999/45/EC

16. OTHER INFORMATION

This safety information sheet follows in design and order regulation (EC) No. 1907/2006 , although the product is not classified as hazardous.

This Safety Information Sheet is intended to inform about physical properties, safety aspects, toxicological data and ecological characteristics that are relevant for the use of surgical sutures, and to recommend procedures for their handling, storage and transport. This Safety Information Sheet is a complement to Technical Data Sheets but does not replace them. The information given is to the best of our knowledge at the date of issue. It does not constitute a contractual description of product properties. It is not meant to be handed out to private end-users. The Safety Information Sheet does not disengage the user of his duty to know and to apply any law and regulation that may be relevant. Additional information may be requested at SMI AG if special applications of surgical sutures are intended.



MSDS Material Safety Data Sheet

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product name: Surgical sutures

Physical nature: Monofilament or braided continuous thread, different compositions and diameters.

Producer and supplier: **SMI AG**
Steinerberg 8, 4780 ST. VITH – BELGIUM
Phone.: + 32 - (0)80 - 227292
Fax: + 32 – (0)80 - 226918
E-mail: info@sutures.be

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature: Surgical sutures

3. HAZARDS IDENTIFICATION

Surgical sutures have not been associated with negative effects on humans and environment if used in accordance with good industrial hygiene practice and any legal requirements.

4. FIRST- AID MEASURES

Inhalation: Not specifically concerned

Skin contact: In case of fire, the molten product may cause burns. Rinse with plenty of water.

Eye contact: Not specifically concerned

Ingestion: Not specifically concerned

5. FIRE FIGHTING MEASURES

Fire extinguishing agents:	All usual extinguishing media may be used
Restrictions:	Full water jet
Special protection equipment:	Use mask with universal filter. In closed rooms use autonomous respirator.

6. ACCIDENTAL RELEASE MEASURES

Accidental dispersion / spill:	Collect material controlled re-use or waste disposal. No special safety risks or risks to the environment.
---------------------------------------	--

7. HANDLING AND STORAGE

Fire precautions:	Remove dust, fly and finish residues by ventilation and vacuum cleaning, especially on heat setting operations. Keep away from ignition sources. Beware of static electricity and discharges.
Storage:	No special safety precautions.
Storage conditions:	Consider technical advises referring to optimal processability.
Packaging conditions:	The product is packed upon delivery in suitable packaging material which may be recycled.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with occupational exposure limits: none

Industrial hygiene:	No special risks if handled in accordance with good industrial hygiene practice and any legal requirements.
Personal protection:	According to good practice of the industry.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Monofilament or braided thread
Colour:	Undyed or solution dyed

Odour:	Odorless
Melting point / Melting range	[°C] 100-250
Flash point:	[°C] >300
Ignition temperature	[°C] >300
Explosion limits	[°C] not explosive
Thermal decomposition	[°C] Starts at about 300 °C
Density 23 °C	[g/cm ³] <1
Solubility in water	not water soluble

10. STABILITY AND REACTIVITY

Chemical stability:	stable under normal storage conditions
Conditions to avoid:	none under normal handling and storage conditions. It decomposes at more than 300 °C.
Hazardous decomposition products:	none known at normal room temperature

11. TOXICOLOGICAL INFORMATION

The thread product does not present special risks on humans if used in accordance with good Industrial hygiene, practice and the concerning legal requirements.

Sterile.

12. ECOLOGICAL INFORMATION

Surgical sutures are not associated with ecological problems, provided that the wastes are orderly disposed of.

Because of its chemical nature, the product is not ecotoxic.

13. DISPOSAL CONSIDERATIONS

Can be disposed of as solid waste or burned in suitable installations, subject to local regulations.

Packaging is made from cardboard products and foils which may be reused, recycled or disposed off according to local regulation.

Recycling or thermal recycling is recommended for both the product and packaging material.

14. TRANSPORT INFORMATION

Regulations	Class UN-No.
RID/ADR:	not classified as hazardous
CAO/IATA-DGR:	not classified as hazardous
GGVSc/IMDG-Code	not classified as hazardous

15. REGULATORY INFORMATION

EC-Mark Not classified according to EC Regulation 1999/45/EC

16. OTHER INFORMATION

This safety information sheet follows in design and order regulation (EC) No. 1907/2006 , although the product is not classified as hazardous.

This Safety Information Sheet is intended to inform about physical properties, safety aspects, toxicological data and ecological characteristics that are relevant for the use of surgical sutures, and to recommend procedures for their handling, storage and transport. This Safety Information Sheet is a complement to Technical Data Sheets but does not replace them. The information given is to the best of our knowledge at the date of issue. It does not constitute a contractual description of product properties. It is not meant to be handed out to private end-users. The Safety Information Sheet does not disengage the user of his duty to know and to apply any law and regulation that may be relevant. Additional information may be requested at SMI AG if special applications of surgical sutures are intended.



MSDS Material Safety Data Sheet

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product name: Surgical sutures

Physical nature: Monofilament or braided continuous thread, different compositions and diameters.

Producer and supplier: **SMI AG**
Steinerberg 8, 4780 ST. VITH – BELGIUM
Phone.: + 32 - (0)80 - 227292
Fax: + 32 – (0)80 - 226918
E-mail: info@sutures.be

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature: Surgical sutures

3. HAZARDS IDENTIFICATION

Surgical sutures have not been associated with negative effects on humans and environment if used in accordance with good industrial hygiene practice and any legal requirements.

4. FIRST- AID MEASURES

Inhalation: Not specifically concerned

Skin contact: In case of fire, the molten product may cause burns. Rinse with plenty of water.

Eye contact: Not specifically concerned

Ingestion: Not specifically concerned

5. FIRE FIGHTING MEASURES

Fire extinguishing agents:	All usual extinguishing media may be used
Restrictions:	Full water jet
Special protection equipment:	Use mask with universal filter. In closed rooms use autonomous respirator.

6. ACCIDENTAL RELEASE MEASURES

Accidental dispersion / spill:	Collect material controlled re-use or waste disposal. No special safety risks or risks to the environment.
---------------------------------------	--

7. HANDLING AND STORAGE

Fire precautions:	Remove dust, fly and finish residues by ventilation and vacuum cleaning, especially on heat setting operations. Keep away from ignition sources. Beware of static electricity and discharges.
Storage:	No special safety precautions.
Storage conditions:	Consider technical advises referring to optimal processability.
Packaging conditions:	The product is packed upon delivery in suitable packaging material which may be recycled.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with occupational exposure limits: none

Industrial hygiene:	No special risks if handled in accordance with good industrial hygiene practice and any legal requirements.
Personal protection:	According to good practice of the industry.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Monofilament or braided thread
Colour:	Undyed or solution dyed

Odour:	Odorless
Melting point / Melting range	[°C] 100-250
Flash point:	[°C] >300
Ignition temperature	[°C] >300
Explosion limits	[°C] not explosive
Thermal decomposition	[°C] Starts at about 300 °C
Density 23 °C	[g/cm ³] <1
Solubility in water	not water soluble

10. STABILITY AND REACTIVITY

Chemical stability:	stable under normal storage conditions
Conditions to avoid:	none under normal handling and storage conditions. It decomposes at more than 300 °C.
Hazardous decomposition products:	none known at normal room temperature

11. TOXICOLOGICAL INFORMATION

The thread product does not present special risks on humans if used in accordance with good Industrial hygiene, practice and the concerning legal requirements.

Sterile.

12. ECOLOGICAL INFORMATION

Surgical sutures are not associated with ecological problems, provided that the wastes are orderly disposed of.

Because of its chemical nature, the product is not ecotoxic.

13. DISPOSAL CONSIDERATIONS

Can be disposed of as solid waste or burned in suitable installations, subject to local regulations.

Packaging is made from cardboard products and foils which may be reused, recycled or disposed off according to local regulation.

Recycling or thermal recycling is recommended for both the product and packaging material.

14. TRANSPORT INFORMATION

Regulations	Class UN-No.
RID/ADR:	not classified as hazardous
CAO/IATA-DGR:	not classified as hazardous
GGVSc/IMDG-Code	not classified as hazardous

15. REGULATORY INFORMATION

EC-Mark Not classified according to EC Regulation 1999/45/EC

16. OTHER INFORMATION

This safety information sheet follows in design and order regulation (EC) No. 1907/2006 , although the product is not classified as hazardous.

This Safety Information Sheet is intended to inform about physical properties, safety aspects, toxicological data and ecological characteristics that are relevant for the use of surgical sutures, and to recommend procedures for their handling, storage and transport. This Safety Information Sheet is a complement to Technical Data Sheets but does not replace them. The information given is to the best of our knowledge at the date of issue. It does not constitute a contractual description of product properties. It is not meant to be handed out to private end-users. The Safety Information Sheet does not disengage the user of his duty to know and to apply any law and regulation that may be relevant. Additional information may be requested at SMI AG if special applications of surgical sutures are intended.



MSDS Material Safety Data Sheet

1. IDENTIFICATION OF PRODUCT AND COMPANY

Product name: Surgical sutures

Physical nature: Monofilament or braided continuous thread, different compositions and diameters.

Producer and supplier: **SMI AG**
Steinerberg 8, 4780 ST. VITH – BELGIUM
Phone.: + 32 - (0)80 - 227292
Fax: + 32 – (0)80 - 226918
E-mail: info@sutures.be

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature: Surgical sutures

3. HAZARDS IDENTIFICATION

Surgical sutures have not been associated with negative effects on humans and environment if used in accordance with good industrial hygiene practice and any legal requirements.

4. FIRST- AID MEASURES

Inhalation: Not specifically concerned

Skin contact: In case of fire, the molten product may cause burns. Rinse with plenty of water.

Eye contact: Not specifically concerned

Ingestion: Not specifically concerned

5. FIRE FIGHTING MEASURES

Fire extinguishing agents:	All usual extinguishing media may be used
Restrictions:	Full water jet
Special protection equipment:	Use mask with universal filter. In closed rooms use autonomous respirator.

6. ACCIDENTAL RELEASE MEASURES

Accidental dispersion / spill:	Collect material controlled re-use or waste disposal. No special safety risks or risks to the environment.
---------------------------------------	--

7. HANDLING AND STORAGE

Fire precautions:	Remove dust, fly and finish residues by ventilation and vacuum cleaning, especially on heat setting operations. Keep away from ignition sources. Beware of static electricity and discharges.
Storage:	No special safety precautions.
Storage conditions:	Consider technical advises referring to optimal processability.
Packaging conditions:	The product is packed upon delivery in suitable packaging material which may be recycled.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Components with occupational exposure limits: none

Industrial hygiene:	No special risks if handled in accordance with good industrial hygiene practice and any legal requirements.
Personal protection:	According to good practice of the industry.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Monofilament or braided thread
Colour:	Undyed or solution dyed

Odour:	Odorless
Melting point / Melting range	[°C] 100-250
Flash point:	[°C] >300
Ignition temperature	[°C] >300
Explosion limits	[°C] not explosive
Thermal decomposition	[°C] Starts at about 300 °C
Density 23 °C	[g/cm ³] <1
Solubility in water	not water soluble

10. STABILITY AND REACTIVITY

Chemical stability:	stable under normal storage conditions
Conditions to avoid:	none under normal handling and storage conditions. It decomposes at more than 300 °C.
Hazardous decomposition products:	none known at normal room temperature

11. TOXICOLOGICAL INFORMATION

The thread product does not present special risks on humans if used in accordance with good Industrial hygiene, practice and the concerning legal requirements.

Sterile.

12. ECOLOGICAL INFORMATION

Surgical sutures are not associated with ecological problems, provided that the wastes are orderly disposed of.

Because of its chemical nature, the product is not ecotoxic.

13. DISPOSAL CONSIDERATIONS

Can be disposed of as solid waste or burned in suitable installations, subject to local regulations.

Packaging is made from cardboard products and foils which may be reused, recycled or disposed off according to local regulation.

Recycling or thermal recycling is recommended for both the product and packaging material.

14. TRANSPORT INFORMATION

Regulations	Class UN-No.
RID/ADR:	not classified as hazardous
CAO/IATA-DGR:	not classified as hazardous
GGVSc/IMDG-Code	not classified as hazardous

15. REGULATORY INFORMATION

EC-Mark Not classified according to EC Regulation 1999/45/EC

16. OTHER INFORMATION

This safety information sheet follows in design and order regulation (EC) No. 1907/2006 , although the product is not classified as hazardous.

This Safety Information Sheet is intended to inform about physical properties, safety aspects, toxicological data and ecological characteristics that are relevant for the use of surgical sutures, and to recommend procedures for their handling, storage and transport. This Safety Information Sheet is a complement to Technical Data Sheets but does not replace them. The information given is to the best of our knowledge at the date of issue. It does not constitute a contractual description of product properties. It is not meant to be handed out to private end-users. The Safety Information Sheet does not disengage the user of his duty to know and to apply any law and regulation that may be relevant. Additional information may be requested at SMI AG if special applications of surgical sutures are intended.