

Trade name: METALESTER (POLYESTER FABRICS NICKEL COATED)

### 1- IDENTIFICATION OF SUBSTANCE

Product name: Monofilament Polyester fabrics  
Nickel coated

Producer and supplier: SAATITECH S.p.a.  
via Como,14  
22070 Veniano (CO) - Italy  
Tel. +39 31 891333

### 2- COMPOSITION

Chemical nature: Polyester, Poly(ethylene terephthalate) +  
Nickel

Physical nature: Fabrics made of monofilament different  
diameters, types, mesh counts; coated with  
Nickel.

Preparation on the fabric: Normally scoured, thermofixed and  
coated with Nickel.

### 3- HAZARDS IDENTIFICATION

To the best of our knowledge , this product has not been  
associated with negative effects on humans if used in  
accordance with good industrial hygiene practice and any legal  
requirements. Avoid prolonged contact with the body skin.

### 4- FIRST-AID MEASURES

Inhalation: Not specifically concerned

Skin contact: Avoid prolonged contact  
In case of fire, the melted product may cause  
burns. Rinse with plenty of water. Do not attempt  
to remove clothes (danger of adherence to the  
skin). Call for a physician.

Eye contact: Not specifically concerned

Ingestion: Not specifically concerned

## 5- FIRE-FIGHTING MEASURES

Fire extinguishing agents: All usual extinguishing media

Restrictions: No restrictions

Protection of fire-fighting brigade: Use autonomous respirators to fight fire in poorly ventilated areas. Do not use water as extinguishing agent if the fire has been caused by electric short circuit.

Hazardous decomposition products: Depending on temperature and oxygen availability, combustion off-gases contain variable quantities of toxic substances (carbon monoxide, acetaldehyde, various organic compounds) which must not be inhaled.

## 6- ACCIDENTAL RELEASE MEASURES

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

## 7- HANDLING AND STORAGE

Fire precautions: Keep away from ignition sources. Beware of static electricity and discharges.

Storage: No special safety precautions

Storage conditions: Consider technical advices referring to optimal processability.

## 8- EXPOSURE CONTROLS AND PERSONAL PROTECTION

Components with occup. exposure limits: None

Industrial hygiene: No special risks if handled in accordance with good industrial hygiene practice and any legal requirements. Avoid prolonged contact with the body skin.

Personal protection: According to good practice of each usage industry.

### 9- PHYSICAL AND CHEMICAL PROPERTIES:

Appearance: Form: Continuous flat fabrics metal coated  
Colour: metal grey  
Odour: none

Melting range(°C): 250-260

Flash point (°C): ca. 350-400

Ignition temperature (°C): ca. 420

Thermal decompos.: (°C): starts at ca. 350

Explosion limits: not explosible

Density (g/cm<sup>3</sup>): 1.3-1.4

Vapor pression: not applicable

Solubility in water: Fabric is not water soluble

### 10- STABILITY AND REACTIVITY

Conditions to avoid: none under normal storage conditions

Materials to avoid: none under normal storage conditions

Hazardous decomposition products: none under normal storage conditions

Combustion off-gases: see point 5

### 11- TOXICOLOGICAL INFORMATION

The product does not present special risks on humans if used in accordance with good industrial hygiene practice and any legal requirements.

In case of special end uses, SaatiTech S.p.a. may be contacted for additional information.

## 12- ECOLOGICAL INFORMATION

The product is not associated with ecological problems, provided that the wastes are orderly disposed of. Depending on its chemical nature, the product is not ecotoxic and not readily biodegradable.

## 13- DISPOSAL CONSIDERATIONS

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

## 14- TRANSPORT INFORMATION

International reglementation:  
Class RID/ADR: not classified as hazardous  
Class ICAO/IATA: not classified as hazardous  
Class OMI/IMDG: not classified as hazardous

## 15- REGULATORY INFORMATION

Classification and labelling: Not classified as hazardous (reglementation EEC and others).

## 16- OTHER INFORMATION

This Safety Data Sheet uses the format and listing sequence of Commission Directive 91/155/EEC though the described product is not a dangerous preparation. It is intended to inform about physical properties, safety aspects, toxicological data and ecological characteristics that are relevant for the use of synthetic fabrics Nickel coated in textile and screen printing and industrial applications, and to recommend procedures for their handling, storage and transport. 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. The Safety Data Scheet does not disengage the user of his duty to know and to apply any law and reglementation that may be relevant. Additional information may be requested at SaatiTech S.p.a. if special applications are intended.