SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Embroidery Thread Made of Polyester

Further trade names
Poly, Poly Flash, Poly Star, Poly Fire, Mono, Bobby

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture
Poly / Poly Flash: Durable, extreme tear resistant polyester embroidery thread for textile products which are washed and chlorinated at high temperatures.

Poly Star: Polyester embroidery thread with metal-coated (aluminium) polyamide content.

Poly Fire: Polyester embroidery thread for textile products, which must be made of flame-retardant materials.

Mono: "Invisible" monofilament thread. Well suited for transparent embroideries and attaching sequins and ribbons.

Bobby: Fine, uniform and tear resistant thread for processing and effect of embroidery.

Uses advised against
In case of doubt please contact the responsible department.

1.3. Details of the supplier of the safety data sheet
Company name: GUNOLD GmbH
Street: Obernburger Straße 125
Place: D-63811 Stockstadt
Telephone: +49 (0)6027 - 2 00 80 Telefax: +49 (0)6027 - 37 72
e-mail: service@gunold.de
Contact person: Christoph Gunold Telephone: +49 (0)6027 - 2 00 80
e-mail: c.gunold@gunold.de
Internet: www.gunold.de
Responsible Department: Qualität und Umwelt

1.4. Emergency telephone number:
+49 (0)6027 - 2 00 80 (Monday to Friday from 08:00 to 17:00)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
The present product is an article according to the Directive (EG) Nr. 1907/2006 (REACH-Regulation).

There is no legal obligation to create a safety data sheet for an article.

The information data sheet was developed to provide the same information that is typically available in safety data sheets. We would like to point out expressly that this information data sheet was created on a voluntary basis and is not subject of the formal requirements of the REACH-Regulation.

2.2. Label elements
Additional advice on labelling
The product is not subject to labelling.

2.3. Other hazards
No product hazards known.

Irritation from dust (mechanical) and decomposition products are possible but not expected under normal use.
The components in this formulation do not meet the criteria for classification as PBT or vPvB.

**SECTION 3: Composition/information on ingredients**

### 3.2. Mixtures

**Chemical characterization**

Yarns composed of 78-100% polyester; possibly 20-22% polyamide; possibly 2-4% finish; possibly flame retardants. According to supplier information the article does not contain any substances (SVHC) in concentrations with obligation to notify.

**Further Information**

The components of this product are embedded into an impervious matrix and are therefore biologically not available. Several hazardous components are bound within the polymer matrix and are not dangerous if handled under normal processing and handling conditions. The additives in this product do not pose any risk of danger, if they are not released (by emitted smoke when melted, dusts).

**SECTION 4: First aid measures**

### 4.1. Description of first aid measures

**General information**

First aider: Pay attention to self-protection! Get medical advice/attention if you feel unwell.

**After inhalation**

In case of accidental inhalation of vapours or decomposition products remove injured person to fresh air and keep at rest. Seek medical attention if problems persist.

**After contact with skin**

No special measures are necessary. After contact with skin and melted polymer: 1. cooling with water, 2. don’t peel solidified product of skin, 3. burns have to be clinically treated.

**After contact with eyes**

Upon contact with dust or decomposition products: Rinse immediately carefully and thoroughly with eye-bath or water. Remove contact lenses, if present and easy to do. Continue rinsing. In case of trouble or persistent symptoms, consult an ophthalmologist.

**After ingestion**

In the unlikely case of swallowing: Rinse mouth with water and drink plenty of water.

### 4.2. Most important symptoms and effects, both acute and delayed

Not hazardous to health when used as intended.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

**SECTION 5: Firefighting measures**

### 5.1. Extinguishing media

**Suitable extinguishing media**


**Unsuitable extinguishing media**

High power water jet.

### 5.2. Special hazards arising from the substance or mixture

It may produce hazardous fumes like carbon monoxide or carbon dioxide.

### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Protective clothing.
Additional information
Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
No special precautionary measures are necessary.

6.2. Environmental precautions
No special environmental protection measures are necessary.
Do not allow uncontrolled discharge of product into the environment.

6.3. Methods and material for containment and cleaning up
Take up mechanically. Avoid generation of dust.

6.4. Reference to other sections
Treat the recovered material as prescribed in the section on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling
Do not breathe dust. (Due to its shape it is rather unlikely that the product generates dust.) In case of fire: Do not breathe gas/fumes/vapour/spray. The processing should be done below the decomposition temperature.

Advice on protection against fire and explosion
Usual measures for fire prevention.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels
Protect from sunlight. Store in a dry place.

Further information on storage conditions
Take precautionary measures against static discharges and fire hazards.

7.3. Specific end use(s)
embroidery thread

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice on limit values
To date, no national critical limit values exist.

8.2. Exposure controls

Appropriate engineering controls
Do not inhale aerially decomposition products. Ensure adequate ventilation.

Protective and hygiene measures
Wash hands before breaks and after work. When using do not eat or drink.

Eye/face protection
Within the recommended use, no eye protection is required. Wear eye protection in case of contact with decomposition products.

Hand protection
Within the recommended use no hand protection is required.

Skin protection
Body protection: not required.

Respiratory protection
In case of adequate ventilation: Respiratory protection not required. Do not breathe potential fumes.
SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>solid</td>
</tr>
<tr>
<td>Colour</td>
<td>various</td>
</tr>
<tr>
<td>Odour</td>
<td>odourless</td>
</tr>
<tr>
<td>pH-Value</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Changes in the physical state

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Melting point</td>
<td>No data available</td>
</tr>
<tr>
<td>Initial boiling point and boiling range</td>
<td>No data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Flammability

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Explosive properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lower explosion limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Upper explosion limits</td>
<td>No data available</td>
</tr>
<tr>
<td>Ignition temperature</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Auto-ignition temperature

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Decomposition temperature

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solid</td>
<td>No data available</td>
</tr>
</tbody>
</table>

Oxidizing properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
</tr>
<tr>
<td>Density</td>
<td>No data available</td>
</tr>
<tr>
<td>Water solubility</td>
<td>The study does not need to be conducted because the substance is known to be insoluble in water.</td>
</tr>
</tbody>
</table>

Solubility in other solvents

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Partition coefficient</td>
<td>No data available</td>
</tr>
<tr>
<td>Viscosity / dynamic</td>
<td>No data available</td>
</tr>
<tr>
<td>Vapour density</td>
<td>No data available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
</tr>
</tbody>
</table>

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactivity under regular conditions.

10.2. Chemical stability

The product is stable under regular conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions to be expected if used properly.

10.4. Conditions to avoid

High temperature (above the decomposition temperature)
10.5. Incompatible materials
None known.

10.6. Hazardous decomposition products
When used properly no hazardous products of decomposition are expected. In case of fire or overheating hazardous fumes may develop.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity
Based on available data, the classification criteria are not met. Toxicological data are not available.

Irritation and corrosivity
Based on available data, the classification criteria are not met. Possible irritation of eyes and skin when dust or decomposition products are present. Skin irritation caused by the ingredients of the product is not known.

Sensitising effects
Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction
Based on available data, the classification criteria are not met.

STOT-single exposure
Based on available data, the classification criteria are not met.

STOT-repeated exposure
Based on available data, the classification criteria are not met.

Aspiration hazard
Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity
Toxicological data are not available.

12.2. Persistence and degradability
No test data available but expected not to be biodegradable.

12.3. Bioaccumulative potential
No data available.

12.4. Mobility in soil
No data available

12.5. Results of PBT and vPvB assessment
The components in this formulation do not meet the criteria for classification as PBT or vPvB.

12.6. Other adverse effects
No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal
Dispose of waste according to applicable legislation. According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Contaminated packaging
Non-contaminated packages may be recycled.
SECTION 14: Transport information

Land transport (ADR/RID)
  14.1. UN number: No dangerous good in sense of this transport regulation.
  14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
  14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
  14.4. Packing group: No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)
  14.1. UN number: No dangerous good in sense of this transport regulation.
  14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
  14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
  14.4. Packing group: No dangerous good in sense of this transport regulation.

Marine transport (IMDG)
  14.1. UN number: No dangerous good in sense of this transport regulation.
  14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
  14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
  14.4. Packing group: No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)
  14.1. UN number: No dangerous good in sense of this transport regulation.
  14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
  14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
  14.4. Packing group: No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

  ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

  No special precautionary measures are necessary. For further information see section 7.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

  not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulatory information

Additional information
  Regulation (EC) No. 648/2004 (Detergents regulation): not applicable
  Regulation (EC) No. 1005/2009 on substances that lead to the depletion of the ozone layer: not applicable
  Regulation (EC) No 850/2004 on persistent organic pollutants: not applicable
  Regulation (EC) No 649/2012 of the European Parliament and of the Council concerning the export and import of dangerous chemicals: This mix contains no chemicals that are subject to the export notification procedures (annex 1).
  This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: none
  This mixture contains the following substances of very high concern (SVHC) which are subject to authorisation according to Annex XIV of REACH: none

National regulatory information

  Water contaminating class (D): - - not water contaminating
15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

Version 1.00 - 25.07.2013 - Creation
Version 1.01 - 09.06.2015 - changes in section 1
Version 1.02 - 26.06.2018 - General update
Version 1.03 - 07.11.2018 - General update

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
CAS: Chemical Abstracts Service
DIN: Norm of the Deutsche Institut für Normung (German Institute for Standardization)
EC: Effective Concentration
EG: European Community (Europäische Gemeinschaft)
EN: European Norm
IATA: International Air Transport Association
IBC Code: International Code for the Construction and Equipment of ships carrying Dangerous Chemicals in Bulk
ICAO: International Civil Aviation Organization
IMDG: International Maritime Code for Dangerous Goods
ISO: Norm of the International Standards Organization
CLP: Classification, Labeling, Packaging
IUCLID: International Uniform Chemical Information Database
LC: Lethal concentration
LD: Lethal dose
log Kow: Octanol/water partition coefficient
MARPOL: Maritime Pollution Convention = Convention for the Prevention of Maritime Pollution from Ships
OECD: Organisation for Economic Co-operation and Development
PBT: Persistent, bio-cumulative, toxic
RID: Regulation Concerning the International Transport of Dangerous Goods by Rail
TRGS: Technische Regeln für Gefahrstoffe
UN: United Nations
VOC: Volatile Organic Compounds
vPvB: very persistent and very bio-cumulative
VwVwS: Administrative Regulation for Water Pollutants
WGK: German Water Hazard Class
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
DNEL: Derived No Effect Level
PNEC: Predicted No Effect Concentration
TLV: Threshold Limiting Value
STOT: Specific Target Organ Toxicity

Further Information

The information given in this product information data sheet is to describe the product's safety regulations. It is not for guaranteeing certain characteristics and is based on today's knowledge. The product information data sheet was generated upon information of pre-suppliers by:

asseso AG, Frohsinnstraße 28, 63739 Aschaffenburg, Germany
Information Sheet for Articles

Embroidery Thread Made of Polyester
Revision date: 07.11.2018  Product code: RCSO-GD-023

Phone: +49 (0)6021 - 1 50 86-0, Fax: +49 (0)6021 - 1 50 86-77, E-Mail: eu-sds@asseso.eu, www.asseso.eu

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)