

**STIFFY**

Revision date: 23.08.2017

Product code: VCSO-GD-019

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

**1.1. Product identifier**

STIFFY

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

**Use of the substance/mixture**

Stabilizer assortment for all materials

The range of embroidery nonwovens includes ideal stabilising solutions for all embroidery applications like a cut-away or tear-away stabilizer, one with coating or a self adhesive non-woven.

A special fibre-structure technology facilitates horizontal, vertical and diagonal tearing and guarantees complete removal after embroidery, without leaving residues.

"If the embroidery needs great stability, cut-away nonwovens are ideal, as these are known for having an extremely high resistance to perforation. The excess nonwoven is simply cut away with scissors along the finished

The ironed-on nonwoven gives knit materials and fabrics with a high percentage of elastane a higher degree of firmness and stability and prevents fabric distortion during stitching.

**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**

**3.1. Substances**

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**Chemical characterization**

Depending on their design the non-woven fabric is made of 100% polyester, 100% polyamide or a mixture of 75% cellulose and 21% synthetic fibre.

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 impenetrable matrix and are therefore biologically not available. Several hazardous components are bound within the polymermatrix 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 adhesive: Wash hands with soap and plenty of water Contact during processing with the hot product or the heat press / flat-iron can cause burns.

**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 troubles 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**

Foam. Water fog. Extinguishing powder. Carbon dioxide (CO<sub>2</sub>).

**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.

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**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.) 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)**

Stabilizer assortment for all materials

**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**

Physical state:	solid
Colour:	transparent
Odour:	odourless

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pH-Value: No data available

**Changes in the physical state**

Melting point: No data available

Initial boiling point and boiling range: No data available

Flash point: No data available

**Flammability**

Solid: No data available

**Explosive properties**

No data available

Lower explosion limits: No data available

Upper explosion limits: No data available

Ignition temperature: No data available

**Auto-ignition temperature**

Solid: No data available

Decomposition temperature: No data available

**Oxidizing properties**

No data available

Vapour pressure: No data available

Density: No data available

Water solubility: The study does not need to be conducted because the substance is known to be insoluble in water

**Solubility in other solvents**

No data available

Partition coefficient: No data available

Viscosity / dynamic: No data available

Vapour density: No data available

Evaporation rate: No data available

**9.2. Other information**

**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**

Oxidizing agents, strong.

**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.

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**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.

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**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 689/2008 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**

This data sheet contains changes from the previous version in section(s): 9,14,15,16.

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Version 1,00 - 25.08.2011 - first creation  
Version 1,01 - 23.08.2017 - 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)  
BlmSchV (Fed.Imm.Prot.Act): Directive on the Implementation of the Federal Immission Protection Act  
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:

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