

HEAT STIC

Print date: 29.04.2014

Product code: RCSO-GD-032

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

1.1. Product identifier

Heat Stic

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

Use of the substance/mixture

Double-sided adhesive stabilizer. One side is coated with a pressure sensitive adhesive; the other side is coated with a heat-sensitive adhesive to be ironed on with a heat press. Heat Stic allows secure and fast positioning of laser-cut appliqués.

Uses advised against

In case of doubt please contact our 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

Chemical characterization

Thermoplastic film based on 100% polyester

According to supplier information the article does not contain any substances (SVHC) in concentrations with obligation to notify.

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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 prolonged skin contact: Wash hands with soap and plenty of water
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 troubles or persistent symptoms, consult an ophthalmologist.

After ingestion

No special measures are necessary.

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

Not hazardous to health when used as intended.
Contact during processing with the hot product or the heat press / flat-iron can cause burns.

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 (CO₂).

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

Inhalation of solvents above exposure limit values may produce damage caused to health such as irritation of mucose and respiratory organs, damage of liver, bunch and central nervous system. Adumbrations are: headache, vertigo, tiredness, amyosthenia, numbness and in badly cases insensibility. Solvents may cause these effects also through skin resorption. Longer and repeated contact with the product causes scouring of skin and may lead to non allergic contact damage and/or contaminant resorption. Splashes of solvent may cause to irritations and reversible damage of the eyes. Do not breathe dust. (Due to its shape it is rather unlikely that the product generates dust.) Do not breathe gas/fumes/vapour/spray. Avoid contact with the hot fabric during thermowelding and/or retraction. 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

Store in a well-ventilated place. Keep in a cool place. 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)

Double-sided adhesive stabilizer. One side is coated with a pressure sensitive adhesive; the other side is coated with a heat-sensitive adhesive to be ironed on with a heat press. Heat Stic allows secure and fast positioning of laser-cut appliqués.

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

Ensure adequate ventilation. Do not inhale aerially decomposition products.

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. Caution when handling with hot product!

Skin protection

Body protection: not applicable.

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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

Test method

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
Gas: 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
Gas: No data available

Oxidizing properties

No data available

Vapour pressure: No data available
Density (at 20 °C): No data available
Water solubility: insoluble
(at >2 °C)

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

no

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactivity under regular conditions.

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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). Thermal decomposition can lead to harmful gases and vapours.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

When used properly no hazardous products of decomposition are expected.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Toxicological data are not available. After swallowing large quantities gastrointestinal problems may occur.

Irritation and corrosivity

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.

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: -

14.2. UN proper shipping name: -

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14.3. Transport hazard class(es): -

14.4. Packing group: -

Other applicable information (land transport)

No dangerous good in sense of these transport regulations.

Inland waterways transport (ADN)

Other applicable information (inland waterways transport)

No dangerous good in sense of these transport regulations.

Marine transport (IMDG)

Other applicable information (marine transport)

No dangerous good in sense of these transport regulations.

Air transport (ICAO)

Other applicable information (air transport)

No dangerous good in sense of these transport regulations.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No special precautionary measures are necessary.

SECTION 15: Regulatory information

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

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 - first creation - 24.03.2014

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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