

# Safety Data Sheet

according to 1907/2006/CE

## 1. Identification of the preparation and of the company/undertaking

### 1.1 Product identifier

Trade name: **HOT-MELT ADHESIVE SPRAYMELT-540**  
**Ø 43x43mm**

### 1.2 Relevant identified uses of the substance and uses advised against:

hot melt adhesive - for bonding different surfaces

### 1.3 Details of the supplier of the safety data sheet

Supplier:  
DASA International B.V.  
Helderseweg 1E  
1815 Alkmaar, The Netherlands  
Tel. +031 72 571 9917  
Email: [info@dasa-international.com](mailto:info@dasa-international.com)

### 1.4 Emergency telephone number

Tel. +031 72 571 9917 (8.00 am - 5.00 p.m.)

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

EC regulation criteria 1272/2008 (CLP)  
The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP).  
Adverse physicochemical, human health and environmental effects:  
No other hazards

### 2.2 Label elements

The product is not classified as dangerous according to Regulation EC 1272/2008 (CLP)  
Symbols:  
None

Hazard statements:  
None

Precautionary statements:  
None

Special Provisions:  
EUH210 Safety Data Sheet available upon request

Special provisions according to Annex VXII of REACH and subsequent amendments:  
None

### **2.3 Other hazards**

vPvB substances: None  
other hazards: the molten product adheres to the skin and causes burns.

## **3. Composition / Informations on ingredients**

### **3.1 Substance**

Not applicable

### **3.2 Mixtures**

Mixtures of synthetic resins, ethylene copolymer and wax  
Hazardous components within the meaning of the CLP regulation and related classification:

## **4. First aid measures**

### **4.1 Description of first aid measures**

In case of skin contact:  
wash with plenty of water and soap

In case of eyes contact:  
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

In case of ingestion:  
Do not under any circumstances induce vomiting. OBTAIN A MEDICAL EXAMINATION IMMEDIATELY.

In case of inhalation:  
Remove casualty to fresh air and keep warm and at rest.

**4.2 Most important symptoms and effects, both acute and delayed**  
None

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

Treatment:  
In case of burns: do not remove the product nor any contaminated clothing to avoid lacerations.  
Cool immediately under cold running water.  
Seek medical advice immediately

## **5. Firefighting measures**

### **5.1 Extinguishing media**

Suitable extinguishing media:  
Water  
carbon dioxide (CO<sub>2</sub>)

Extinguishing media which must not be used for safety reasons:  
None in particular

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

Do not inhale explosion and combustion gases.

Burning produces heavy smoke.

### **5.3 Advice for firefighters**

Use suitable breathing apparatus

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

Move undamaged containers from immediate hazard area if it can be done safely.

## **6. Accidental release measures**

### **6.1 Personal precautions, protective equipment and emergency procedures**

Wear personal protection equipment.

Remove all sources of ignition.

Remove persons to safety.

See protective measures under point 7 and 8.

### **6.2 Environmental precautions**

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Retain contaminated washing water and dispose it.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities

Suitable material for taking up: absorbing material, organic, sand

### **6.3 Methods and material for containment and cleaning up**

Wash with plenty of water.

Melted product: contain spillages with absorbent material.

### **6.4 Reference to other sections**

Reference to other sections

See also section 8 and 13

## **7. Handling and storage**

### **7.1 Precautions for safe handling**

Avoid contact with skin and eyes, inhalation of vapours and mists

Do not eat or drink while working.

See also section 8 for recommended protective equipment.

### **7.2 Conditions for safe storage, including any incompatibilities**

Store in original packaging well closed and labeled.

Product can accumulate static electricity .

Keep away from food, drink and feed.

Incompatible materials: none in particular , see also section 10

Instructions as regards storage premises: adequately vented premises.

### **7.3 Specific end use(s)**

None in particular

## **8. Exposure controls / personal protection**

### **8.1 Control parameters**

No occupational exposure limit available.

DNEL Exposure Limit Values

N.A.

PNEC Exposure Limit Values

N.A.

### 8.2 Exposure controls

Eye protection:

Eye glasses; ref. EN166

Molten product: face protection shield; ref. EN166

Protection for skin:

Antislip shoes

Overall.

Protection sleeves.

Protection for hands:

Solid product: NBR gloves

Molten product: long gloves heat-resistant, ref. EN407

Respiratory protection:

Not needed for normal use.

In presence of hot vapors use protective masks suitable for organic vapors.

In case of insufficient ventilation use mask with filter type B (EN 14387)

The duration of the protection devices against the chemical agents depends on various factors, which can greatly reduce the life foreseen by CE standards.

Thermal hazards:

None

Environmental exposure controls:

None

Appropriate engineering controls:

None

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	Solid Ø 43x43mm
Colour	Translucent
Odour:	odorless
Odour threshold:	N.A.
pH	N.A.
Melting point/freezing point	N.A.
Initial boiling point and boiling range:	N.A.
Softening point	75-80°C Ring and ball -
Flash point	N.A.
Evaporation rate	N.A.
Solid/gas flammability	N.A.
Upper/lower flammability or explosive limits:	N.A.
Vapour pressure	N.A.
Vapour density	N.A.
Relative density	approx. 1,094 gr/cm <sup>3</sup> at 23°C.
Solubility in water	insoluble
Solubility in oil	N.A.
Partition coefficient: n-octanol/water	N.A.
Auto - ignition temperature	N.A.
Decomposition temperature	N.A.
Viscosity	approx. 1.600 mPa.s at +190°C Brookfield
Explosive properties	N.A.
Oxidizing properties:	N.A.

### 9.2 Other information

Miscibility N.A.

Fat solubility	N.A.
Conductivity	N.A.
Substance Groups relevant properties	N.A.

## **10. Stability and reactivity**

### **10.1 Reactivity**

Stable under normal conditions

### **10.2 Chemical stability**

Stable under normal conditions.

### **10.3 Possibility of hazardous reactions**

None

### **10.4 Conditions to avoid**

Heat sources and / or direct sunlight.  
Avoid high temperatures for extended periods of time.

### **10.5 Incompatible materials**

None in particular

### **10.6 Hazardous decomposition products**

None.

## **11. Toxicological information**

### 11.1 Information on toxicological effects

Toxicological information of the mixture:

N.A.

Toxicological information of the main substances found in the mixture:

N.A.

If not differently specified, the information required in Regulation 453/2010/EC listed below must be considered

as N.A.

- a/ acute toxicity
- b/ skin corrosion/irritation
- c/ serious eye damage/irritation
- d/ respiratory or skin sensitisation
- e/ germ cell mutagenicity
- f/ carcinogenicity
- g/ reproductive toxicity
- h/ STOT - single exposure
- i/ STOT - repeated exposure
- j/ aspiration hazard

## **12. Ecological information**

### 12.1 Toxicity

Adopt good working practices, so that the product is not released into the environment.

N.A.

12.2 Persistence and degradability

N.A.

12.3 Bioaccumulative potential

N.A.

12.4 Mobility in soil

N.A.

12.5 Results of PBT and vPvB assessment

vPvB substances:

none

PBT substances:

None

12.6 Other adverse effects

None

### **13. Disposal considerations**

#### **13.1 Waste treatment methods**

Recover if possible.

In so doing, comply with the local and national regulations currently in force.

### **14. Transport information**

Not classified as dangerous in accordance with the transport regulations.

#### **14.1 UN number**

Not classified as dangerous in the meaning of transport regulations

#### **14.2 UN proper shipping name**

N.A.

#### **14.3 Transport hazard classes**

N.A.

#### **14.4 Packing group**

N.A.

#### **14.5 Environmental hazards**

N.A.

#### **14.6 Special precautions for transport**

N.A.

#### **14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code**

N.A.

### **15. Regulatory information**

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

D.Lgs 9/42008 n° 811

D.M. Lavoro 26/02/2004 (Occupational Exposure Limits)

Regulation (EC) n° 1907/2006 (REACH)

Regulation (EC) n° 1272/2008/CE (CLP)  
Regulation (EC) n° 790/2009 (ATP 1 CLP) and (EU) n° 758/2013  
Regulation (EU) n° 453/2010 (Annex II)  
Regulation (EU) n° 286/2011 (ATP 2 CLP)  
Regulation (EU) n° 618/2012 (ATP 3 CLP)  
Regulation (EU) n° 487/2013 (ATP 4 CLP)  
Regulation (EU) n° 944/2013 (ATP 5 CLP)  
Regulation (EU) n° 605/2014 (ATP 6 CLP)

Restrictions related to the product or the substances contained according to Annex XVII  
Regulation (EC) 1907/2006

(REACH) and subsequent modifications:

Restrictions related to the product:

Restriction n° 40

Restrictions related to the substances contained:

No restriction

Where applicable, refer to the following regulatory provisions:

Circolari Ministeriali nn. 46 e 61  
(Ammine aromatiche)  
D.Lgs. 21 Settembre 2005 n° 238 (Direttiva Seveso Ter.)  
Regulation 648/2004 CE  
(detergents)  
D.L. 3/4/2006 n° 152 (Norme in materia ambientale)

Provisions related to directives 82/501EC (Seveso), 96/82/EC (Seveso II)

No

## **15.2 Chemical safety assessment**

No

## **16. Other information**

This document was prepared by a competent person who has received appropriate training regarding SDS compilation.

Main bibliographic sources:

ECDIN - Environmental Chemicals Data and Information Network - Joint Research Centre, Commission of the European Communities

SAX's DANGEROUS PROPERTIES OF INDUSTRIAL MATERIALS - Eight Edition - Van Nostrand Reinold

IUCLID (International Uniform Chemicals Information Database)

CCNL - Appendix

1

Istituto Superiore della Sanità - Inventario Nazionale Sostanze Chimiche

The information contained herein is based on our state of knowledge at the above - specified date.

It refers solely to the product indicated and constitutes no guarantee of particular quality.

It is the duty of the user to ensure that this information is appropriate and complete with respect to the specific use intended.

This MSDS cancels and replaces any preceding release.

<b>ADR:</b>	European Agreement concerning the International Carriage of Dangerous Goods by Road.
<b>CAS:</b>	Chemical Abstracts Service (division of the American Chemical society)
<b>CLP:</b>	Classification, Labeling, Packaging
<b>DNEL:</b>	Derived No Effect Level
<b>EINECS:</b>	European Inventory of Existing Commercial Chemical Substances
<b>GefStoffV:</b>	Ordinance of Hazardous Substances, Germany
<b>GHS:</b>	<b>Globally Harmonized System of Classification and Labeling of Chemicals</b>
<b>IATA:</b>	International Air Transport Association
<b>IATA-DGR:</b>	Dangerous Goods Regulation by the "International Air Transport Association" (IATA)
<b>ICAO:</b>	International Civil Aviation Organization
<b>ICAO-TI:</b>	Technical Instructions by the "International Civil Aviation Organization" (ICAO)
<b>IMDG:</b>	International Maritime Code for Dangerous Goods
<b>INCI:</b>	International Nomenclature of Cosmetic Ingredients
<b>KST:</b>	Explosion coefficient
<b>LC50:</b>	Lethal concentration, for 50 percent of test population
<b>LD50:</b>	Lethal dose, for 50 percent of test population
<b>LTE:</b>	Long-term exposure
<b>PNEC :</b>	Predicted No effect Concentration
<b>RID:</b>	Regulation Concerning the International Transport of Dangerous Goods by Rail
<b>STE:</b>	Short-term exposure
<b>STEL:</b>	Short-term exposure limit
<b>STOT:</b>	Specific Target Organ Toxicity
<b>TLV:</b>	Threshold Limiting Value
<b>TWATLV:</b>	Threshold Limit Value for the Time Weighted Average 8 hour day (ACGIH Standard)
<b>WGK:</b>	German Water Hazard Class