



## SAFETY DATA SHEET 141PS ADHESIVE

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

#### 1.1. Product identifier

**Product name** 141PS ADHESIVE

**Synonyms; trade names** Hotmelt Adhesive

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

**Identified uses** Adhesive.

**Uses advised against** No specific uses advised against are identified.

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

##### Supplier

Caswell and Company Limited  
6 Princewood Road  
Earlstrees Industrial Estate  
Corby, Northants NN17 4AP  
+44 (0) 1536 464800  
+44 (0) 1536 464801  
info@caswell-adhesives.co.uk

caswell

#### 1.4. Emergency telephone number

**Emergency telephone** In case of emergency telephone: +44 (0)1536 464800. Office hours: Mon - Thur 9am - 5pm, Fri 9am - 2pm

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (EC 1272/2008)

**Physical hazards** Not Classified

**Health hazards** Not Classified

**Environmental hazards** Not Classified

**Human health** Hot Melt Adhesive - Contact with molten product is likely to cause thermal burns

**Environmental** The product is not expected to be hazardous to the environment.

#### 2.2. Label elements

**Hazard statements** NC Not Classified

#### 2.3. Other hazards

Hot Melt Adhesive- Contact with molten material may produce thermal burns.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

# 141PS ADHESIVE

**Composition comments** This product does not contain any hazardous ingredients, or ingredients with national workplace exposure limits.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General information</b>	Burns (in contact with molten product): Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital.
<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Ingestion</b>	Give plenty of water to drink. Ingestion of molten product will cause thermal burns to mouth and throat. Get medical attention.
<b>Skin contact</b>	Rinse immediately with plenty of water. While rinsing, remove clothing not adhering to the affected area. Get medical attention.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Get medical attention. Show this Safety Data Sheet to the medical personnel.

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

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	Vapours may cause drowsiness and dizziness.
<b>Ingestion</b>	The molten product can cause serious burns.
<b>Skin contact</b>	Burns can occur.
<b>Eye contact</b>	May cause temporary eye irritation.

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

**Notes for the doctor** Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Extinguish with dry sand.
<b>Unsuitable extinguishing media</b>	Do not use water, if avoidable.

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

<b>Specific hazards</b>	Not known. No unusual fire or explosion hazards noted.
<b>Hazardous combustion products</b>	Does not decompose when used and stored as recommended.

### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	Avoid breathing fire gases or vapours. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Keep up-wind to avoid fumes.
<b>Special protective equipment for firefighters</b>	Wear chemical protective suit. Use air-supplied respirator, gloves and protective goggles.

## SECTION 6: Accidental release measures

## 141PS ADHESIVE

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

**Personal precautions** Solid Product: Low Hazard ensure no slip hazards are created on flooring. Molten product: Avoid contact with molten product. Wear heat resistant gloves overalls. Allow product to cool down before handling. Take care as centre of material may still be molten

### 6.2. Environmental precautions

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground.

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

**Methods for cleaning up** Solid Spills: Sweep up and dispose of as solid waste in accordance with Local and National authority regulations. Molten product: Allow to solidify / cool before handling product, Use thermal resistant gloves, overalls and wear goggles, Use a shovel to carefully remove product. Take care as the centre of product may still be molten. Dispose of as solid waste in accordance with Local and National regulations.

### 6.4. Reference to other sections

**Reference to other sections** Wear protective clothing as described in Section 8 of this safety data sheet. See Section 11 for additional information on health hazards. For waste disposal, see Section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Do not overheat. Read technical data sheet before use. Use at recommended application temperatures. Use in a well ventilated area.

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

**Storage precautions** Store at moderate temperatures in dry, well ventilated area.

**Storage class** Unspecified storage.

### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.

#### Personal protection

Wear Gloves, Face mask and suitable protective clothing if there is a risk in coming into contact with molten product to avoid burns.

#### Eye/face protection

The following protection should be worn: Chemical splash goggles or face shield.

#### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.

#### Other skin and body protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. Wear apron or protective clothing in case of contact.

#### Hygiene measures

Provide eyewash station and safety shower. Wash hands after contact.

## 141PS ADHESIVE

**Respiratory protection** No specific requirements are anticipated under normal conditions of use.

**Thermal hazards** The molten product can cause serious burns.

### SECTION 9: Physical and Chemical Properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Solid.
<b>Colour</b>	Colourless.
<b>Odour</b>	Sweetish.
<b>Odour threshold</b>	Not determined.
<b>pH</b>	Not applicable.
<b>Melting point</b>	75°C
<b>Initial boiling point and range</b>	>200@760mm Hg°C @
<b>Flash point</b>	>250°C
<b>Evaporation rate</b>	Not applicable.
<b>Evaporation factor</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not determined.
<b>Upper/lower flammability or explosive limits</b>	Not determined.
<b>Other flammability</b>	Not determined.
<b>Vapour pressure</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Relative density</b>	0.8@20 @ °C
<b>Bulk density</b>	Not determined.
<b>Solubility(ies)</b>	Immiscible with water. Soluble in the following materials: Aromatic solvents. Hydrocarbons. Ketones.
<b>Partition coefficient</b>	Not determined.
<b>Auto-ignition temperature</b>	300°C
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	1200 cPs @ 160 @ °C
<b>Explosive properties</b>	Not determined.
<b>Explosive under the influence of a flame</b>	Not considered to be explosive.

#### 9.2. Other information

**Other information** No further relevant information available

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity** There are no known reactivity hazards associated with this product.

#### 10.2. Chemical stability

## 141PS ADHESIVE

**Stability** Stable at normal ambient temperatures and when used as recommended.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** None known.

### 10.4. Conditions to avoid

**Conditions to avoid** None known.

### 10.5. Incompatible materials

**Materials to avoid** Acids - oxidising. Acids - organic. Strong alkalis. Strong reducing agents. Alkali metals.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** None at ambient temperatures. Thermal decomposition or combustion products may include the following substances: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

**Toxicological effects** Toxicological studies are not available for this product

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** No specific test data are available.

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** No specific test data are available.

#### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** No specific test data are available.

#### Skin corrosion/irritation

**Skin corrosion/irritation** Not irritating.

#### Serious eye damage/irritation

**Serious eye damage/irritation** No specific test data are available.

#### Respiratory sensitisation

**Respiratory sensitisation** No specific test data are available.

#### Skin sensitisation

**Skin sensitisation** No specific test data are available.

#### Germ cell mutagenicity

**Genotoxicity - in vitro** Not determined.

#### Carcinogenicity

**Carcinogenicity** No specific test data are available.

#### Reproductive toxicity

**Reproductive toxicity - fertility** No specific test data are available.

**Reproductive toxicity - development**

Does not contain any substances known to be toxic to reproduction.

#### Specific target organ toxicity - single exposure

**STOT - single exposure** No specific test data are available.

#### Specific target organ toxicity - repeated exposure

## 141PS ADHESIVE

<b>STOT - repeated exposure</b>	No specific test data are available.
<b><u>Aspiration hazard</u></b>	
<b>Aspiration hazard</b>	Not relevant.
<b>General information</b>	No specific health hazards known.
<b>Inhalation</b>	No significant hazard at normal ambient temperatures. Heating may generate the following products: Irritating gases or vapours.
<b>Ingestion</b>	Ingestion of cold solid product is not likely to cause any health effects. Ingestion of molten product will cause severe thermal burns.
<b>Skin contact</b>	No specific health warning noted for solid (Cold) product. Contact with molten product will cause thermal burns.
<b>Eye contact</b>	Contact with molten product will cause severe thermal burns.
<b>Acute and chronic health hazards</b>	No specific health hazards known.
<b>Route of entry</b>	Inhalation Skin absorption Ingestion. Skin and/or eye contact
<b>Target organs</b>	No specific target organs known.
<b>Medical symptoms</b>	No specific symptoms noted.
<b>Medical considerations</b>	No information available.

### SECTION 12: Ecological Information

<b>Ecotoxicity</b>	No data on possible environmental effects have been found.
<b><u>12.1. Toxicity</u></b>	
<b>Toxicity</b>	The product is not believed to present a hazard due to its physical nature.
<b><u>12.2. Persistence and degradability</u></b>	
<b>Persistence and degradability</b>	The product is not biodegradable.
<b><u>12.3. Bioaccumulative potential</u></b>	
<b>Bioaccumulative potential</b>	The product is not bioaccumulating.
<b>Partition coefficient</b>	Not determined.
<b><u>12.4. Mobility in soil</u></b>	
<b>Mobility</b>	The product is non-volatile. The product is insoluble in water.
<b><u>12.5. Results of PBT and vPvB assessment</u></b>	
<b><u>12.6. Other adverse effects</u></b>	

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

<b>Disposal methods</b>	Waste should be treated as controlled waste.
-------------------------	--

### SECTION 14: Transport information

#### 14.1. UN number

Not applicable.

## 141PS ADHESIVE

### 14.2. UN proper shipping name

Not applicable.

### 14.3. Transport hazard class(es)

### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

### 14.6. Special precautions for user

Not applicable.

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

## SECTION 15: Regulatory information

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

<b>National regulations</b>	Control of Substances Hazardous to Health Regulations 2002 (as amended).
<b>EU legislation</b>	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
<b>Guidance</b>	Workplace Exposure Limits EH40. Safety Data Sheets for Substances and Preparations.
<b>Health and environmental listings</b>	None of the ingredients are listed.
<b>Authorisations (Title VII Regulation 1907/2006)</b>	No specific authorisations are known for this product.
<b>Restrictions (Title VIII Regulation 1907/2006)</b>	No specific restrictions on use are known for this product.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

<b>General information</b>	Only trained personnel should use this material.
<b>Key literature references and sources for data</b>	Health and Safety Executive Guidance Note EH40 (ammended annually). Workplace exposure limits.
<b>Revision comments</b>	SDS Updated
<b>Revision date</b>	08/01/2018
<b>Revision</b>	4
<b>Supersedes date</b>	11/08/2010
<b>SDS number</b>	10794
<b>SDS status</b>	Approved.
<b>Risk phrases in full</b>	Not classified.

## 141PS ADHESIVE

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.