



## SAFETY DATA SHEET 210 ADHESIVE

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

#### 1.1. Product identifier

Product name 210 ADHESIVE

Product number C0520

#### 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

#### 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

Physical hazards Flam. Liq. 2 - H225

Health hazards Skin Irrit. 2 - H315 STOT SE 3 - H336

Environmental hazards Aquatic Chronic 2 - H411

Classification (67/548/EEC or 1999/45/EC) Xn;R48/20. Repr. Cat. 3;R63. Xi;R38. F;R11. N;R51/53. R67.

## 210 ADHESIVE

### 2.2. Label elements

#### Pictogram



#### Signal word

Danger

#### Hazard statements

H225 Highly flammable liquid and vapour.  
 H315 Causes skin irritation.  
 H336 May cause drowsiness or dizziness.  
 H411 Toxic to aquatic life with long lasting effects.

#### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P261 Avoid breathing vapour/spray.  
 P264 Wash contaminated skin thoroughly after handling.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P403+P233 Store in a well-ventilated place. Keep container tightly closed.

#### Contains

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane, Hydrocarbons, C6 isoalkanes <5% n-hexane

#### Supplementary precautionary statements

P240 Ground/bond container and receiving equipment.  
 P241 Use explosion-proof electrical equipment.  
 P242 Use only non-sparking tools.  
 P243 Take precautionary measures against static discharge.  
 P271 Use only outdoors or in a well-ventilated area.  
 P302+P352 IF ON SKIN: Wash with plenty of water.  
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P312 Call a POISON CENTER/doctor if you feel unwell.  
 P321 Specific treatment (see medical advice on this label).  
 P332+P313 If skin irritation occurs: Get medical advice/attention.  
 P362+P364 Take off contaminated clothing and wash it before reuse.  
 P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.  
 P391 Collect spillage.  
 P403+P235 Store in a well-ventilated place. Keep cool.  
 P405 Store locked up.  
 P501 Dispose of contents/container in accordance with national regulations.

### 2.3. Other hazards

No further information on other hazards available

## 210 ADHESIVE

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>Hydrocarbons,C6-C7, n-alkanes,isoalkanes,cyclics,&lt;5%n-hexane</b>	<b>30-60%</b>
CAS number: —	EC number: 921-024-6
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Flam. Liq. 2 - H225	Xn;R65. Xi;R38. F;R11. N;R51/53. R67.
Skin Irrit. 2 - H315	
Asp. Tox. 1 - H304	
STOT SE 3 - H336	
Aquatic Chronic 2 - H411	
<b>Hydrocarbons,C6 isoalkanes &lt;5% n-hexane</b>	<b>10-30%</b>
CAS number: —	EC number: 931-254-9
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>
Flam. Liq. 2 - H225	Xn;R65. Xi;R38. F;R11. N;R51/53. R67.
Skin Irrit. 2 - H315	
Asp. Tox. 1 - H304	
STOT SE 3 - H336	
Aquatic Chronic 2 - H411	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>General information</b>	Remove affected person from source of contamination. Treat symptomatically.
<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention.
<b>Ingestion</b>	Get medical attention. Rinse mouth thoroughly with water.
<b>Skin contact</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water.
<b>Eye contact</b>	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing. Show this Safety Data Sheet to the medical personnel.

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

<b>General information</b>	No further information available
<b>Inhalation</b>	Vapours may cause headache, fatigue, dizziness and nausea.
<b>Ingestion</b>	Harmful: may cause lung damage if swallowed.
<b>Skin contact</b>	Prolonged skin contact may cause temporary irritation.
<b>Eye contact</b>	Causes eye irritation.

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

<b>Notes for the doctor</b>	Treat symptomatically.
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## 210 ADHESIVE

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** Extinguish with foam, carbon dioxide or dry powder.

**Unsuitable extinguishing media** Water Jet

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

**Specific hazards** The product is flammable. Heating may generate flammable vapours. The product is highly flammable. Solvent vapours may form explosive mixtures with air.

**Hazardous combustion products** Toxic gases or vapours. Carbon dioxide (CO<sub>2</sub>). Carbon monoxide (CO).

#### 5.3. Advice for firefighters

**Protective actions during firefighting** Avoid breathing fire gases or vapours. Be aware of danger of explosion. Containers close to fire should be removed or cooled with water.

**Special protective equipment for firefighters** Use air-supplied respirator, gloves and protective goggles.

### SECTION 6: Accidental release measures

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

**Personal precautions** Wear protective clothing as described in Section 8 of this safety data sheet. No smoking, sparks, flames or other sources of ignition near spillage.

#### 6.2. Environmental precautions

**Environmental precautions** Do not discharge into drains or watercourses or onto the ground. Avoid the spillage or runoff entering drains, sewers or watercourses. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

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

**Methods for cleaning up** Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers.

#### 6.4. Reference to other sections

**Reference to other sections** For personal protection, see Section 8. For waste disposal, see Section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Do not use in confined spaces without adequate ventilation and/or respirator. Keep away from heat, sparks and open flame.

**Advice on general occupational hygiene** Do not eat, drink or smoke when using this product.

## 210 ADHESIVE

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

**Storage precautions** Keep away from heat, sparks and open flame. Keep separate from food, feedstuffs, fertilisers and other sensitive material. Store in tightly-closed, original container in a dry, cool and well-ventilated place.

**Storage class** Flammable liquid 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

#### Hydrocarbons,C6-C7, n-alkanes,isoalkanes,cyclics,<5%n-hexane

**DNEL** Consumer - Oral; Long term systemic effects: 699 mg/kg/day  
 Workers - Oral; Long term systemic effects: 2035 mg/kg/day  
 Consumer - Dermal; Long term systemic effects: 699 mg/kg/day  
 Workers - Dermal; Long term systemic effects: 773 mg/kg/day  
 Consumer - Inhalation; Long term systemic effects: 608 mg/m<sup>3</sup>

#### Hydrocarbons,C6 isoalkanes <5% n-hexane

**DNEL** Consumer - Oral; Long term systemic effects: 1301 mg/kg/day  
 Consumer - Dermal; Long term systemic effects: 1377 mg/kg/day  
 Workers - Dermal; Long term systemic effects: 13964 mg/kg/day  
 Consumer - Inhalation; Long term systemic effects: 1131 mg/m<sup>3</sup>  
 Workers - Inhalation; Long term systemic effects: 5306 mg/m<sup>3</sup>

#### Formaldehyde treated rosin (CAS: 91081-53-7)

**DNEL** Workers - Dermal; Long term systemic effects: 25 mg/kg/day  
 Workers - Inhalation; Long term systemic effects: 176.32 mg/m<sup>3</sup>  
 General population - Dermal; Long term systemic effects: 15 mg/kg/day  
 General population - Inhalation; Long term systemic effects: 52.174 mg/m<sup>3</sup>  
 General population - Oral; Long term systemic effects: 15 mg/kg/day

**PNEC** - Marine water; 0.01 mg/l  
 - STP; 1000 mg/l  
 - Sediment (Freshwater); 0.0225 mg/kg  
 - Sediment (Marinewater); 0.0225 mg/kg  
 - Soil; 0.0182 mg/kg

### 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. Use explosion-proof ventilating equipment. Use explosion-proof electrical equipment.

#### Personal protection

Always check applicability with your supplier of protective equipment.

## 210 ADHESIVE

<b>Eye/face protection</b>	Wear tight-fitting, chemical splash goggles or face shield.
<b>Hand protection</b>	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent any possibility of skin contact.
<b>Hygiene measures</b>	Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station and safety shower. Wash promptly with soap and water if skin becomes contaminated.
<b>Respiratory protection</b>	If ventilation is inadequate, suitable respiratory protection must be worn.

### SECTION 9: Physical and Chemical Properties

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

<b>Appearance</b>	Coloured liquid.
<b>Colour</b>	Straw.
<b>Odour</b>	Organic solvents.
<b>Odour threshold</b>	Not determined.
<b>pH</b>	Not applicable.
<b>Melting point</b>	Not determined.
<b>Initial boiling point and range</b>	60-110°C @ 760 mm Hg
<b>Flash point</b>	Estimated value. ~ -25°C
<b>Evaporation rate</b>	Not known.
<b>Evaporation factor</b>	Not known.
<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>	Estimated value. ~ 0.8
<b>Solubility(ies)</b>	Insoluble in water. Immiscible with water. Soluble in the following materials: Organic solvents.
<b>Auto-ignition temperature</b>	Not determined.
<b>Viscosity</b>	3000cPS @20 @ °C
<b>Explosive properties</b>	Product is not explosive, however, formation of explosive air/vapour mixtures are possible
<b>Oxidising properties</b>	Not known.

#### 9.2. Other information

<b>Other information</b>	No further relevant information available
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## 210 ADHESIVE

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

#### 10.2. Chemical stability

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

#### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** The following materials may react with the product: Oxidising materials.

#### 10.4. Conditions to avoid

**Conditions to avoid** Avoid heat, flames and other sources of ignition.

#### 10.5. Incompatible materials

**Materials to avoid** Strong oxidising agents.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**Toxicological effects** Toxicological studies on the product are not available.  
Please find below any toxicological data available to us for the hazardous components.

#### Skin corrosion/irritation

**Animal data** Not available.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Irritating to eyes

#### Respiratory sensitisation

**Respiratory sensitisation** Not determined.

#### Skin sensitisation

**Skin sensitisation** Not determined.

#### Aspiration hazard

**Aspiration hazard** Entry into the lungs following ingestion or vomiting may cause chemical pneumonitis.

#### **Inhalation**

Vapours may cause headache, fatigue, dizziness and nausea. Harmful: possible risk of irreversible effects through inhalation.

#### **Ingestion**

Irritating. Symptoms following overexposure may include the following: Dizziness. Nausea, vomiting. Harmful: may cause lung damage if swallowed.

#### **Skin contact**

Product has a defatting effect on skin. May cause allergic contact eczema.

#### **Eye contact**

Irritating to eyes.

#### Toxicological information on ingredients.

Hydrocarbons,C6-C7, n-alkanes,isoalkanes,cyclics,<5%n-hexane

#### Acute toxicity - oral

#### **Notes (oral LD<sub>50</sub>)**

LD<sub>50</sub> >5000 mg/kg, Oral, Rat

## 210 ADHESIVE

### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> >2000 mg/kg, Dermal, Rabbit

### Hydrocarbons,C6 isoalkanes <5% n-hexane

### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** LD<sub>50</sub> >5000 mg/kg, Oral, Rat

### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** LD<sub>50</sub> >2000 mg/kg, Dermal, Rat

### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** LC<sub>50</sub>/4h >20 mg/l, Inhalation, Rat

## SECTION 12: Ecological Information

### Ecotoxicity

Dangerous for the environment. May cause long-term adverse effects in the aquatic environment. Ecotoxicological studies are not available for the product.  
Do not allow to escape into waterways, wastewater or soil.  
Please find below the ecotoxicological data available to us for the components.

### 12.1. Toxicity

#### Toxicity

Very toxic to aquatic organisms.

#### Ecological information on ingredients.

### Hydrocarbons,C6-C7, n-alkanes,isoalkanes,cyclics,<5%n-hexane

**Acute toxicity - fish** LC<sub>50</sub>, : 1-10 mg/l, Fish  
NOEC, : 1-10 mg/l, Fish

**Acute toxicity - aquatic plants** LC<sub>50</sub>, : 10-100 mg/l, Algae

**Acute toxicity - microorganisms** LC<sub>50</sub>, : 1-10 mg/l, Activated sludge  
NOEC, : 0.1-1 mg/l, Activated sludge

### Hydrocarbons,C6 isoalkanes <5% n-hexane

**Acute toxicity - fish** LC<sub>50</sub>, : 10-100 mg/l, Fish  
NOEC, : 1-10 mg/l, Fish

**Acute toxicity - aquatic plants** LC<sub>50</sub>, : 10-100 mg/l, Algae

**Acute toxicity - microorganisms** NOEC, : 1-10 mg/l, Activated sludge



## 210 ADHESIVE

### 12.2. Persistence and degradability

**Persistence and degradability** The product is expected to be biodegradable.

### Ecological information on ingredients.

#### Hydrocarbons,C6-C7, n-alkanes,isoalkanes,cyclics,<5%n-hexane

**Persistence and degradability**

The product is readily biodegradable.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential** The product does not contain any substances expected to be bioaccumulating.

### 12.4. Mobility in soil

**Mobility**

The product contains volatile organic compounds (VOCs) which will evaporate easily from all surfaces.

### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This substance is not classified as PBT or vPvB according to current EU criteria.

### Ecological information on ingredients.

#### Hydrocarbons,C6-C7, n-alkanes,isoalkanes,cyclics,<5%n-hexane

**Results of PBT and vPvB assessment**

This substance is not classified as PBT or vPvB according to current EU criteria.

#### Hydrocarbons,C6 isoalkanes <5% n-hexane

**Results of PBT and vPvB assessment**

This substance is not classified as PBT or vPvB according to current EU criteria.

### 12.6. Other adverse effects

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information**

Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**Disposal methods**

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**Waste class**

Hazardous waste

## 210 ADHESIVE

### SECTION 14: Transport information

#### 14.1. UN number

UN No. (ADR/RID)	1133
UN No. (IMDG)	1133
UN No. (ICAO)	1133

#### 14.2. UN proper shipping name

Proper shipping name (ADR/RID)	ADHESIVES
Proper shipping name (IMDG)	ADHESIVES
Proper shipping name (ICAO)	ADHESIVES
Proper shipping name (ADN)	ADHESIVES

#### 14.3. Transport hazard class(es)

ADR/RID class	3
ADR/RID subsidiary risk	
ADR/RID label	3
IMDG class	3
IMDG subsidiary risk	
ICAO class/division	3
ICAO subsidiary risk	

#### Transport labels

#### 14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III

#### 14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



#### 14.6. Special precautions for user

EmS	F-E, S-D
Emergency Action Code	3Y
Hazard Identification Number (ADR/RID)	30

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

## 210 ADHESIVE

### SECTION 15: Regulatory information

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

**National regulations**                    The data should be considered when making any assessment under the Control of Substances Hazardous to Health Regulations (COSHH), and related guidance, for example, 'COSHH Essentials' (united Kingdom) EH40/2005 Workplace exposure limits.

#### 15.2. Chemical safety assessment

### SECTION 16: Other information

<b>Revision date</b>	19/05/2015
<b>Revision</b>	5
<b>SDS number</b>	10575
<b>SDS status</b>	Approved.
<b>Risk phrases in full</b>	<p>R11 Highly flammable.</p> <p>R12 Extremely flammable.</p> <p>R38 Irritating to skin.</p> <p>R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.</p> <p>R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p> <p>R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.</p> <p>R62 Possible risk of impaired fertility.</p> <p>R63 Possible risk of harm to the unborn child.</p> <p>R65 Harmful: may cause lung damage if swallowed.</p> <p>R66 Repeated exposure may cause skin dryness or cracking.</p> <p>R67 Vapours may cause drowsiness and dizziness.</p>
<b>Hazard statements in full</b>	<p>H225 Highly flammable liquid and vapour.</p> <p>H304 May be fatal if swallowed and enters airways.</p> <p>H315 Causes skin irritation.</p> <p>H336 May cause drowsiness or dizziness.</p> <p>H411 Toxic to aquatic life with long lasting effects.</p>

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.