



## SAFETY DATA SHEET

### BARTOLINE - All Purpose Wallpaper Adhesive (Flake)

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

##### 1.1. Product identifier

**Product name** BARTOLINE - All Purpose Wallpaper Adhesive (Flake)

**REACH registration notes** No REACH registration number required as this product is a mixture.

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

**Identified uses** Adhesive for fixing wallcoverings

**Uses advised against** Not to be used for any other purpose than stated above.

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

**Supplier** Bartoline Limited  
Barmston Close  
Beverley  
East Yorkshire  
HU17 0LW  
01482 678710  
info@bartoline.co.uk

**Contact person** Product Compliance Manager

##### 1.4. Emergency telephone number

**Emergency telephone** 01482 678710 (8.30am - 4.45pm Monday to Friday) or NHS 111 (General Public) (24 Hour service)

**National emergency telephone number** National Poisons Information Service (24hours) 0844 892 0111

#### 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

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### 2.2. Label elements

<b>Hazard statements</b>	NC Not Classified
<b>Precautionary statements</b>	P102 Keep out of reach of children. Avoid contact with eyes. In case of contact with eyes, rinse immediately with plenty of water; seek medical advice if irritation persists. IF ON SKIN: Wash with plenty of soap and water. P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.
<b>Supplemental label information</b>	Contains a preservative to control microbial deterioration: Didecyldimethylammonium chloride.

### 2.3. Other hazards

Eye contact may cause temporary redness and irritation. Prolonged skin contact may cause redness, irritation and dry skin.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>Starch, carboxymethyl ether, sodium salt</b>	<b>60-100%</b>
CAS number: 9063-38-1	
<b>Classification</b>	Not Classified

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

**Composition comments** A Carboxymethylated cold water soluble starch flake adhesive. This product does not contain any substances classified as Substances of Very High Concern (SVHCs).

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General information</b>	IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR THE NHS 111 SERVICE. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Rinse nose and mouth with water. Get medical attention if symptoms are severe or persist.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Give plenty of water to drink. Get medical attention if any discomfort continues. Get medical attention if a large quantity has been ingested.
<b>Skin contact</b>	Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.
<b>Eye contact</b>	Immediately flush with plenty of water for up to 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if symptoms are severe or persist after washing.
<b>Protection of first aiders</b>	This is a non hazardous product and therefore no protection should be required, however consideration should be given to other contaminants in the workplace. Wash contaminated clothing thoroughly with water before removing it from the affected person, or wear gloves.

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### 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. Treat symptomatically.
<b>Inhalation</b>	There may be irritation of the throat with a feeling of tightness in the chest. May cause coughing and difficulties in breathing.
<b>Ingestion</b>	May be harmful if swallowed. May cause stomach pain or vomiting.
<b>Skin contact</b>	Prolonged skin contact may cause redness and irritation.
<b>Eye contact</b>	Particles in the eyes may cause irritation and smarting.

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

<b>Notes for the doctor</b>	Treat symptomatically.
<b>Specific treatments</b>	No specific chemical antidote is known to be required after exposure to this product.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

<b>Suitable extinguishing media</b>	The product is non-combustible. Use fire-extinguishing media suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	None known.

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

<b>Specific hazards</b>	None known.
<b>Hazardous combustion products</b>	None known.

### 5.3. Advice for firefighters

<b>Protective actions during firefighting</b>	Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.
<b>Special protective equipment for firefighters</b>	Use protective equipment appropriate for surrounding materials. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

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

<b>Personal precautions</b>	Evacuate area. Keep unnecessary and unprotected personnel away from the spillage. Do not touch or walk into spilled material. Avoid inhalation of dust and contact with skin and eyes. Do not enter storage areas or confined spaces unless adequately ventilated. If ventilation is inadequate, suitable respiratory protection must be worn.
<b>For non-emergency personnel</b>	Do not touch spilled material or walk into the spillage area.
<b>For emergency responders</b>	Evacuate personnel to safe areas. 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.

### 6.2. Environmental precautions

<b>Environmental precautions</b>	Do not discharge into drains, water courses or onto the ground. Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.
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### 6.3. Methods and material for containment and cleaning up

**Methods for cleaning up** Avoid generation and spreading of dust. Reduce airborne dust and prevent scattering by moistening with water. Sweep up and shovel into suitable containers for disposal.

### 6.4. Reference to other sections

**Reference to other sections** See Section 7 for information on safe handling. Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see Section 13. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

**Usage precautions** Do not handle until all safety precautions have been read and understood. Wear protective clothing as described in Section 8 of this safety data sheet. This product is not to be used under conditions of poor ventilation. If ventilation is inadequate, suitable respiratory protection must be worn. Avoid eating, drinking and smoking when using the product.

**Advice on general occupational hygiene** Do not eat, drink or smoke when using this product. Wash promptly with soap and water if skin becomes contaminated. Take off immediately all contaminated clothing and wash it before reuse. Wash at the end of each work shift and before eating, smoking and using the toilet.

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

**Storage precautions** No special restrictions on storage with other products. Store at temperatures between 5°C and 25°C.

**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.

**Usage description** Always follow on pack instructions when using this product. DO NOT use in confined spaces or in areas of poor ventilation. Ensure adequate ventilation of work area and prevent build up of dust. If this is not possible then suitable extraction should be employed near to the emission point.

## SECTION 8: Exposure Controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

There is no official workplace Exposure limit assigned to this product. To ensure worker safety the standard for use on general starch has been quoted.

#### **Starch, carboxymethyl ether, sodium salt**

According to the Suppliers MSDS this substance has no occupational exposure limit values.

Long-term exposure limit (8-hour TWA): Supplier recommendation 10 mg/m<sup>3</sup> inhalable dust

Long-term exposure limit (8-hour TWA): Supplier recommendation 4 mg/m<sup>3</sup> respirable dust

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**DNEL** No data available from supplier of the substances.

**DMEL** No data available from the substance supplier.

### 8.2. Exposure controls

#### Protective equipment



#### Appropriate engineering controls

Protective engineering solutions should be implemented, and in use, before Personal Protective Equipment (PPE) is considered. This product is not to be used under conditions of poor ventilation. Use mechanical ventilation if there is a risk of handling causing formation of airborne dust. Ensure that the direction of airflow is clearly away from the worker.

#### Eye/face protection

Unless the assessment indicates a higher degree of protection is required, the following protection should be worn: Wear tight-fitting, dust-resistant, chemical splash goggles if airborne dust is generated. Personal protective equipment for eye and face protection should comply with European Standard EN166.

#### Hand protection

Although the product is not classified as a skin irritant, the wearing of gloves is recommended for people with sensitive skin or for prolonged or repeated use. It is recommended that gloves are made of the following material: Leather. Polyvinyl chloride (PVC).

#### Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

#### Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Care should be taken to avoid contact with contaminants when removing contaminated clothing. Promptly remove any clothing that becomes contaminated. Do not eat, drink or smoke when using this product.

#### Respiratory protection

Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. Particulate filter, type P1.

#### Thermal hazards

Not Applicable

#### Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels. Keep container tightly sealed when not in use.

## SECTION 9: Physical and Chemical Properties

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

<b>Appearance</b>	Flakes.
<b>Colour</b>	White/off-white.
<b>Odour</b>	Barely perceptible.
<b>Odour threshold</b>	Not available.
<b>pH</b>	Not applicable.
<b>Melting point</b>	Not applicable.
<b>Initial boiling point and range</b>	Not applicable.

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<b>Flash point</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable.
<b>Evaporation factor</b>	Not applicable.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	Not applicable.
<b>Other flammability</b>	Not applicable.
<b>Vapour pressure</b>	Not applicable.
<b>Vapour density</b>	Not applicable.
<b>Bulk density</b>	250 - 350g per litre.
<b>Solubility(ies)</b>	Soluble in the following materials: Water
<b>Partition coefficient</b>	Not applicable.
<b>Auto-ignition temperature</b>	Not applicable.
<b>Decomposition Temperature</b>	Not available.
<b>Viscosity</b>	Not applicable.
<b>Explosive properties</b>	Not considered explosive based on chemical structure and oxygen balance considerations.
<b>Explosive under the influence of a flame</b>	Not considered to be explosive.
<b>Oxidising properties</b>	This product is not considered oxidising based on chemical structure considerations.
<b>Comments</b>	Information given is for the mixture as a whole unless stated otherwise. Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.

### 9.2. Other information

**Volatile organic compound**      There are no VOCs present.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

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

### 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**      No specific material or group of materials is likely to react with the product to produce a hazardous situation.

### 10.4. Conditions to avoid

**Conditions to avoid**      Humid conditions during storage may cause lump formation and loss of product quality.

### 10.5. Incompatible materials

**Materials to avoid**      Moisture.

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### 10.6. Hazardous decomposition products

**Hazardous decomposition products** None known.

### **SECTION 11: Toxicological information**

#### 11.1. Information on toxicological effects

**Toxicological effects** The product has been assessed following the conventional method and is classified for toxicological hazards accordingly. This product has low toxicity. Only large volumes may have adverse impact on human health. See information on individual substances below. Unless stated otherwise the data quoted below is for the product as a whole.

#### Skin corrosion/irritation

**Skin corrosion/irritation** Based on available data the classification criteria are not met.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Based on available data the classification criteria are not met. There may be mild irritation and redness.

#### Respiratory sensitisation

**Respiratory sensitisation** No sensitising effect known.

#### Skin sensitisation

**Skin sensitisation** No sensitising effect known.

#### Germ cell mutagenicity

**Genotoxicity - in vitro** Based on available data the classification criteria are not met.

**Genotoxicity - in vivo** Based on available data the classification criteria are not met.

#### Carcinogenicity

**Carcinogenicity** There is no evidence that the product can cause cancer.

#### Reproductive toxicity

**Reproductive toxicity - fertility** No signs of reproductive toxicity observed

**Reproductive toxicity - development** No signs of reproductive toxicity observed

#### Specific target organ toxicity - single exposure

**STOT - single exposure** Based on available data the classification criteria are not met.

#### Specific target organ toxicity - repeated exposure

**STOT - repeated exposure** Based on available data the classification criteria are not met.

**Inhalation** This product is not classified as hazardous. Dust in high concentrations may irritate the respiratory system.

**Ingestion** Ingestion of large amounts may cause soreness and redness of the mouth and throat.

**Skin contact** Prolonged or repeated contact may dry skin and cause irritation.

**Eye contact** This mixture does not meet the EU criteria for classification. Any eye contact may cause a burning feeling and temporary redness.

**Acute and chronic health hazards** Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases. May cause skin disorders if contact is repeated or prolonged.

**Route of exposure** Inhalation Dermal

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<b>Target organs</b>	Respiratory system, lungs Skin
<b>Medical symptoms</b>	Coughing, chest tightness, feeling of chest pressure. Coughing. Difficulty in breathing. Dryness and/or cracking.
<b>Medical considerations</b>	The following pre-existing or historic medical conditions of the worker may lead to an increased risk of adverse health effects following exposure to this product: History of smoking. Skin disorders and allergies. Chronic respiratory and obstructive airway diseases.

### Toxicological information on ingredients.

#### Starch, carboxymethyl ether, sodium salt

##### Acute toxicity - oral

ATE oral (mg/kg) 2,000.01

##### Acute toxicity - dermal

ATE dermal (mg/kg) 2,000.01

##### Acute toxicity - inhalation

ATE inhalation (dusts/mists mg/l) 5.01

### SECTION 12: Ecological Information

**Ecotoxicity** The product is not expected to be hazardous to the environment. However, large or frequent spills may have hazardous effects on the environment.

#### 12.1. Toxicity

##### Acute aquatic toxicity

**Acute toxicity - fish** LC50 (fish, 96 h): > 100mg/l

**Acute toxicity - aquatic plants** IC50 (algae, 72 h): > 100 mg/l

**Acute toxicity - microorganisms** EC50 (daphnia, 48 h): > 100mg/l

#### 12.2. Persistence and degradability

**Persistence and degradability** The product is readily biodegradable.

**Chemical oxygen demand** Approximate 1100 mg O<sub>2</sub>/g.

#### 12.3. Bioaccumulative potential

**Partition coefficient** Not applicable.

#### 12.4. Mobility in soil

**Mobility** The product is soluble in water. No mobility in the ground.

#### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** Not Classified as PBT/vPvB by current EU criteria. (Mixture as a whole)

#### 12.6. Other adverse effects



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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### General information

The generation of waste should be minimised or avoided wherever possible. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Incineration or landfill should only be considered when recycling is not feasible. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities. When handling waste, the safety precautions applying to handling of the product should be considered.

##### Disposal methods

Recover and reclaim or recycle, if practical. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Waste packaging should be collected for reuse or recycling.

##### Waste class

The following EU Waste Catalogue codes are applicable to this product: When this product is in its dry state as supplied and becomes waste it should be disposed of as non hazardous waste using waste code 08 04 10 waste adhesives and sealants other than those mentioned in 08 04 09. When this product is mixed with water in its ready to use state and becomes waste it should be disposed of as a non hazardous waste using code 08 04 12 adhesive and sealant sludges other than those mentioned in 08 04 11. Empty plastic sachets should be disposed of using waste code 15 01 02 plastic packaging. When the packaging is a cardboard box this should be disposed of using waste code 15 01 01 paper and cardboard packaging. Note For a waste container to be classed as a packaging waste (15 01) it must be effectively 'empty'.

It is usually obvious if a container is 'empty', for example a half empty tin of solidified paint is not empty, but where there is a small amount of residual material a container will not be empty if that residual material can be removed by physical or mechanical means by applying normal industry standards or processes.

This means that all reasonable efforts must have been made to remove any left-over contents from the container. This may involve for example washing, draining or scraping. The method of emptying will depend on the container and the type of material it contains.

Note: if the design of the packaging, its aperture, or the adherent nature of the material does not permit it to be emptied then it will not be a packaging waste.

If a container is not 'empty' it is not packaging waste. It should be classified on the basis of its contents and the source or activity that produced it. These codes have been assigned based on the actual composition of the product as supplied. If mixed with other wastes, the waste codes quoted may not be applicable.

## BARTOLINE - All Purpose Wallpaper Adhesive (Flake)

### SECTION 14: Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

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

No transport warning sign required.

#### 14.4. Packing group

Not applicable.

#### 14.5. Environmental hazards

##### **Environmentally hazardous substance/marine pollutant**

No.

#### 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

##### **National regulations**

Users of this product are reminded of their duties under the current Control of Substances Hazardous to Health Regulations and a suitable and sufficient assessment of all the risk should be undertaken before using this product. The guidelines given in the HSE publication COSHH ESSENTIALS - Easy Steps To Control Chemicals gives sound advice for deciding safe working control measures.

Control of Substances Hazardous to Health Regulations 2002 (as amended).

EH40/2005 Workplace exposure limits.

The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].

##### **EU legislation**

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).

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

##### **Guidance**

Labelling and Packaging in accordance with Regulation (EC) No 1272/2008. Workplace Exposure Limits EH40.

##### **Authorisations (Title VII Regulation 1907/2006)**

No specific authorisations are known for this product.

##### **Restrictions (Title VIII Regulation 1907/2006)**

No specific restrictions on use are known for this product.

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### 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>Training advice</b>	The information on directions for use can be found on the product label. It is important to ensure that anyone using this product in the workplace has been adequately trained and in particular: The use of personal protective equipment, methods of cleaning up and disposal of waste. The basic first aid arrangements.
<b>Revision comments</b>	DUE TO CHANGE OF CLASSIFICATION DATABASE THE REVISION NUMBERING HAS BEEN RESET. You should therefore look at the revision date rather than the revision number to ensure you have the most up to date version. NOTE: Lines within the margin indicate significant changes from the previous revision.
<b>Issued by</b>	Product Compliance Assistant
<b>Revision date</b>	26/11/2018
<b>Revision</b>	3
<b>Supersedes date</b>	06/06/2017
<b>SDS number</b>	5085

The information contained in this data sheet is provided in accordance with the requirements of the Regulation (EC) No 1907/2006 Annex II as amended by Regulation (EU) 2015/830 and Regulation (EC) No 1272/2008 (CLP). The product should not be used for purposes other than those shown in Section 1.2. As the specific conditions of use are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this safety data sheet is based on the present knowledge and the current EU and UK Legislation. It provides guidance on health, safety and environmental aspects of the product and should not be taken as a product specification. 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.