SAFETY DATA SHEET
SUPADEC ALL PURPOSE WALLPAPER ADHESIVE

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier
Product name           SUPADEC ALL PURPOSE WALLPAPER ADHESIVE
REACH Registration number EXEMPT

1.2. Relevant identified uses of the substance or mixture and uses advised against
Identified uses   SU 3 - INDUSTRIAL USES SU 21 - CONSUMER USES SU 22 - PROFESSIONAL USES Adhesive for fixing wallcoverings
Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet
Supplier                 Bartoline limited
                        Barmston Close
                        Beverley
                        East Yorkshire
                        HU17 0LW
                        01482 678710
                        fax 01482 872606
                        HSE MANAGER
                        www.bartoline.co.uk

1.4. Emergency telephone number
01482 678727 0800-1700 Monday to Friday NHS Direct (General Public & Workers) 0845 4647
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 and Chemical Hazards Not classified.
Human health Not classified.
Environment Not classified.

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

Human health
May cause minor irritation on eye contact. Dust may irritate throat and respiratory system and cause coughing. Prolonged or repeated skin contact with the mixed product may cause irritation, redness and in worst cases could lead to dermatitis.

Environment
The product is not expected to be hazardous to the environment.

2.2. Label elements
Label In Accordance With (EC) No. 1272/2008
No pictogram required.

2.3. Other hazards

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures
**SECTION 4: FIRST AID MEASURES**

4.1. Description of first aid measures

**Inhalation**
Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

**Ingestion**
Immediately rinse mouth and provide fresh air. Get medical attention if any discomfort continues.

**Skin contact**
Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

**Eye contact**
Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

**General information**
The severity of the symptoms described will vary dependant of the concentration and the length of exposure.

**Inhalation**
Congestion of the lungs may occur producing severe shortness of breath. Frequent inhalation of dust over a long period of time increases the risk of developing lung diseases.

**Ingestion**
Due to the physical nature of this material it is unlikely that swallowing will occur. May cause stomach pain or vomiting.

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

**Eye contact**
May cause temporary eye irritation. There may be irritation and redness. The eyes may water profusely.

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

No specific chemical antidote is known to be required after exposure to this product. Treat Symptomatically.

**SECTION 5: FIREFIGHTING MEASURES**

5.1. Extinguishing media

**Extinguishing media**
This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media**
None

5.2. Special hazards arising from the substance or mixture

**Hazardous combustion products**
Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2). Hydrogen chloride (HCl).

**Unusual Fire & Explosion Hazards**
High concentrations of dust may form explosive mixture with air.

**Specific hazards**
Considering the size of the packaging, the risk is regarded as minimal. Fire water contaminated with this product must be contained and prevented from being discharged to any waterway, sewer or drain.

5.3. Advice for firefighters
Special Fire Fighting Procedures
Keep run-off water out of sewers and water sources. Dike for water control. No specific fire fighting procedure given.

Protective equipment for fire-fighters
Wear self-contained breathing apparatus and protective suit. In case of a large fire or in confined or poorly ventilated spaces, wear full fire retardant protective clothing and self contained breathing apparatus with a full face-piece operated in positive pressure mode.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures
Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area.

6.2. Environmental precautions
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.

6.3. Methods and material for containment and cleaning up
Avoid generation and spreading of dust. Shovel into dry containers. Cover and move the containers. Flush the area with water.

6.4. 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. Collect and dispose of spillage as indicated in section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling
Avoid spilling, skin and eye contact. Avoid handling which leads to dust formation. Read and follow manufacturer’s recommendations. Take precautionary measures against static discharges when there is a risk of dust explosion. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. Do not eat, drink or smoke when using the product.

7.2. Conditions for safe storage, including any incompatibilities
Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

Storage Class
Unspecified storage.

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

Usage Description
Always follow on pack instructions regarding mixing ratios. Keep out of reach of children. Apply “common sense” measures when using this product. Apply by brush. Where possible avoid prolonged contact with the skin.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

<table>
<thead>
<tr>
<th>Name</th>
<th>STD</th>
<th>TWA - 8 Hrs</th>
<th>STEL - 15 Min</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>STARCH, CARBOXYMETHYL ETHER, CROSSLINKED</td>
<td>WEL</td>
<td>10 mg/m3</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

WEL = Workplace Exposure Limit.

Ingredient Comments
Due to the hazardous nature of ingredients, exposure should be minimal.
No DNEL data available for this substance.
No PNEC data available for this substance.

STARCH, CARBOXYMETHYL ETHER, CROSSLINKED (CAS: 59419-62-4)

No DNEL data available for this substance.
No PNEC data available for this substance.

8.2. Exposure controls

Protective equipment
Engineering measures
Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of dust.

Respiratory equipment
No specific recommendation made, but protection against nuisance dust must be used when the general level exceeds 10 mg/m³.

Hand protection
Use suitable protective gloves if risk of skin contact.

Eye protection
Wear approved safety goggles.

Hygiene measures
DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

Skin protection
Wash hands after use and wash off any adhesive which comes into contact with skin.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties
- **Appearance**: Powder, dust
- **Colour**: Light (or pale), Yellow.
- **Odour**: Almost odourless.
- **Solubility**: Completely soluble in water

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Initial boiling point and boiling range</strong></td>
<td>Not relevant</td>
</tr>
<tr>
<td><strong>Melting point (°C)</strong></td>
<td>Not relevant</td>
</tr>
<tr>
<td><strong>Vapour density (air=1)</strong></td>
<td>Not relevant</td>
</tr>
<tr>
<td><strong>Vapour pressure</strong></td>
<td>Not relevant</td>
</tr>
<tr>
<td><strong>pH-Value, Conc. Solution</strong></td>
<td>Not relevant</td>
</tr>
<tr>
<td><strong>Flash point</strong></td>
<td>Not relevant</td>
</tr>
<tr>
<td><strong>Oxidising properties</strong></td>
<td>Does not meet the criteria for oxidising. Not oxidising ( based on the chemical structure of the substance and the oxidation states of the constituents elements).</td>
</tr>
</tbody>
</table>

**Comments**: Information declared as "Not available" or "Not applicable" is not considered to be justified for enabling proper control measures to be taken.

9.2. Other information
Volatile Organic Compound (VOC)
Not applicable.

SECTION 10: STABILITY AND REACTIVITY

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

10.2. Chemical stability
Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions
Not applicable.
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Hazardous Polymerisation
Will not polymerise.

10.4. Conditions to avoid
Avoid excessive heat for prolonged periods of time. Avoid frost. There are no known conditions that are likely to result in a hazardous situation. Humidity and moisture can cause caking of product.

10.5. Incompatible materials

Materials To Avoid
No specific, or groups of materials are likely to react to produce a hazardous situation.

10.6. Hazardous decomposition products

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO2).

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Toxicological information
The severity of acute effects is such that significant repeated or prolonged exposure is unlikely. The data for the hazardous constituents is shown below. The product has been assessed following the conventional method and is classified for toxicological hazards accordingly.

Inhalation
Dust in high concentrations may irritate the respiratory system.

Ingestion
May cause discomfort if swallowed.

Skin contact
Powder may irritate skin.

Eye contact
Particles in the eyes may cause irritation and smarting.

Health Warnings
This product has low toxicity. Only large volumes may have adverse impact on human health.

Route of entry
Inhalation. Ingestion. Skin and/or eye contact.

Target Organs
Eyes  Skin

Medical Considerations
Chronic respiratory and obstructive airway diseases. Skin disorders and allergies. Pre-existing eye problems.

Toxicological information on ingredients

STARCH, CARBOXYMETHYL ETHER, CROSSLINKED (CAS: 59419-62-4)

Toxic Dose 1 - LD 50
>2000mg/kg mg/kg (oral rat)

Toxic Dose 2 - LD 50
>2000mg/kg (dermal)

Toxic Conc. - LC 50
>5 (dust) mg/l/4h (inh-rat)

Toxicological information
No information available.

Skin Corrosion/Irritation
Not irritating.

SECTION 12: ECOLOGICAL INFORMATION

8 5
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Ecotoxicity
Not regarded as dangerous for the environment.

12.1. Toxicity
There is no data on the suppliers SDs but they claim that the ingredient is easily biodegradable.

Ecological information on ingredients.

STARCH, CARBOXYMETHYL ETHER, CROSSLINKED (CAS: 59419-62-4)

<table>
<thead>
<tr>
<th>LC 50, 96 Hrs, Fish mg/l</th>
<th>&gt;100</th>
</tr>
</thead>
<tbody>
<tr>
<td>EC 50, 48 Hrs, Daphnia, mg/l</td>
<td>&gt;100</td>
</tr>
<tr>
<td>IC 50, 72 Hrs, Algae, mg/l</td>
<td>&gt;100</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability
Based on the suppliers SDS this ingredient is expected to be biodegradable

Degradability
The product is not expected to be biodegradable.

Ecological information on ingredients.

STARCH, CARBOXYMETHYL ETHER, CROSSLINKED (CAS: 59419-62-4)

Based on the suppliers SDS this ingredient is expected to be biodegradable

Chemical Oxygen Demand
~ 1100 g O2/g substance

12.3. Bioaccumulative potential

12.4. Mobility in soil
Mobility:
The product is partly soluble in water. May spread in the aquatic environment. The product is poorly adsorbed into soils or sediments.

12.5. Results of PBT and vPvB assessment
This product does not contain any PBT or vPvB substances.

12.6. Other adverse effects
Not applicable.

SECTION 13: DISPOSAL CONSIDERATIONS

General information
Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority. When handling waste, consideration should be made to the safety precautions applying to handling of the product. The packaging should be collected for reuse.

13.1. Waste treatment methods
Dispose of waste and residues in accordance with local authority requirements. With clean shovel place material into dry container, cover and move. For unused and uncontaminated product, the preferred options include sending to a licensed waste contractor.

Waste Class
These codes have been assigned based on the actual composition of the product both as supplied and as dried residues. If mixed with other wastes, the waste codes quoted may not be applicable. When this product is in its dry state as supplied and becomes waste is should be disposed of as none 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 is should be disposed of a non hazardous waste using code 08 04 12 adhesive and sealant sludges other than those mentioned in 08 04 11. Empty plastic sachet should be disposed of using waste code 15 01 02 plastic packaging. Where the plastic packaging is contained in a cardboard box this should be disposed of using waste code 15 01 01 paper and cardboard packaging.

SECTION 14: TRANSPORT INFORMATION
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General
The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

Road Transport Notes
Not Classified

Rail Transport Notes
Not classified.

Sea Transport Notes
Not classified.

Air Transport Notes
Not classified.

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

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

SECTION 15: REGULATORY INFORMATION

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

Uk Regulatory References

Environmental Listing
Control of Pollution Act 1974.

Statutory Instruments

Approved Code Of Practice
Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

Guidance Notes
Workplace Exposure Limits EH40. CHIP for everyone HSG(108).

EU Legislation

National Regulations

Authorisations (Title VII Regulation 1907/2006)
No specific authorisations are noted for this product.

Restrictions (Title VIII Regulation 1907/2006)
No specific restrictions of use are noted for this product.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION
Training Advice
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.

Revision Date 21/03/2013
Revision 1
Safety Data Sheet Status Approved.

Risk Phrases In Full
NC Not classified.

Disclaimer
The information contained in this data sheet is provided in accordance with the requirements of the Regulation (EC) No 1907/2006 (REACH) 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 suppliers 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 EC and Uk Legislation. It provides guidance on health, safety and environmental aspects of the product and should not be taken as a product specification.