



Commercial Opportunity

Non-Stinging Adhesive Formulation

Scientists at Aston University have developed a sting-free, quick drying, easily removable adhesive liquid formulation for fixing dressings, plasters and other external devices to the skin. This formulation can also be used as a barrier to protect skin against adhesive-induced trauma. Aston's Business Partnership Unit is now actively seeking additional commercial partners to license this market-proven technology.

The Technology

The invention seeks to ease patient discomfort while ensuring that the dressing or external device is easily removed. This water-based formulation may be used as an adhesive in its own right or as a barrier to protect against irritation or trauma when using other products or devices. The adhesive can be easily applied with a wipe and easily removed by washing with soapy water. The components of this solution do not separate over time, extending shelf life.

Benefits

- Protects against abrasive, aggressive and strong adhesives
- Sting-free
- Quick drying
- Non-toxic
- Conforms to irregular topologies
- Easily removable with soapy water
- Long shelf life

Background

Clinical practitioners frequently use adhesives to fix dressings and other external devices to the skin. Dressings are applied around sensitive wounds and surgically-constructed openings such as stoma. External devices such as colostomy bags are also adhered to the skin. Existing formulations however often contain high concentrations of alcohol or organic solvents. Patients typically dislike such formulations as they sting when applied to the skin and an adhesive removal kit is required to clean the skin around the wound.

Intellectual Property Protection

This technology is the subject of multiple National Phase patent applications:

<i>Title</i>	<i>Patent Applications</i>	<i>Priority Claimed</i>	<i>Our Ref</i>
Adhesive solution for application to the skin	US 12/227,279 EP 07732822.7 CA2652588 JP 2009-510538 AU 2007251316 NZ 572810	May 15, 2006	PAT-2005-007

Commercial Opportunity

A license has already been executed for use of the product in conjunction with ostomy products. Further licensees are sought for other fields of use. Samples are available upon request.

Further Information

Further information can be made available and commercial discussions commenced on entering into a non-disclosure agreement.

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