

Information for Clinical Choice

Tissue Adhesives

Support Document

Introduction

Information for Clinical Choice (ICC) has been developed to assist clinicians in the decision-making process when assessing the suitability of a product by providing a clear illustration and description of the features of a range of similar products supplied through NHS Supply Chain.

The criteria provided, in the form of a Product Matrix and Support Document, is the result of a product review, conducted by Clinical Engagement and Implementation Managers with support from clinical stakeholders from across the NHS as part of our assurance process.

The aim, alongside delivering savings back into NHS frontline services, is to ensure that clinical choice remains at the forefront of any product switching decision.

Wound Closure: Tissue Adhesives

These products provide a quick and simple solution for clinicians looking for a skin closure without unnecessary trauma. Tissue adhesives provide an alternative method for wound closure that is painless, fast, and does not require a follow-up visit for removal.










Tissue adhesives consist of liquid cyanoacrylate monomers which polymerise into long chains that hold wound edges together when they come into contact with blood or a wound surface.

Various suppliers provide different applicators that are designed for surgical wound closure interventions. This enables precise application of small volumes and other devices that enable the clinicians to provide higher volumes for long wound closure in Operating Theatres.

Clinical options:









- Tissue adhesives are sterile, with a wide selection of setting times which are appropriate for different clinical applications and techniques.
- Most tissue adhesives can be stored at ambient temperatures, however some need to be kept refrigerated in line with supplier's instructions. Tissue adhesives are water resistant and also provide a microbial barrier against microorganism contamination.
- There are a number of different delivery applicators available:
 - Broad surface applicator tips.
 - Precision tip applicators for cosmetic applications and precision controlled wound closure i.e. for plastic surgery or paediatric trauma wounds.
 - Large square and round applicators tips for greater coverage of adhesive on larger wound closures.
 - Tips are either integrated into the product or made of a separate synthetic material.
 - Small and large round deliver applicator tips, for small or larger wounds.
 - Large square delivery applicator tips i.e. for post-surgical adhesive applications.

- The use of appropriate tissue adhesives has a proven track record of giving a good cosmetic appearance after three months that is broadly equivalent to sutures. It has also been shown that tissue adhesives are faster to apply and quicker to attain proficiency in the treatment of wounds in busy departments.
- New tissue adhesives innovations use a mesh and tissue adhesives to provide an antimicrobial barrier with wound support post-surgery.










Tissue Adhesives									
Supplier	Advanced Medical Solutions	Advanced Medical Solutions	Advanced Medical Solutions	Advanced Medical Solutions	Advanced Medical Solutions	Advanced Medical Solutions	Advanced Medical Solutions	Advanced Medical Solutions	Advanced Medical Solutions
Brand	Liquiband Optima	Liquiband Surgical S	Liquiband Flex	Liquiband Exceed	Liquiband Standard	Skin Link	Skin Link	Liquiband Exceed XS	Liquiband XL
MPC	OPT001	LBS-S0001	LBF006	72014002	LB002	SL0003	SL0004	72014024	72014019
NPC	FVF009	FVF014	FVF015	FVF022	FVF051	FVF000	FVF012	FVF049	FXR000
Description/ Indications For Use	Tissue Adhesive LiquiBand Optima 0.5g Safe effective rapid wound closure for scalp lacerations. Winged designed product for precise application Butyl-Cyanoacrylate product.	Tissue Adhesive LiquiBand Surgical S 0.8g Fast precise wound closure. Can be used to close a variety of surgical procedures including vascular, plastics, orthopaedic neuro surgery.	Tissue Adhesive Microbial barrier film Liquiband flex 0.8g for topical closure of skin wounds resulting from various surgical procedures, ie: General and GI surgery (Laparoscopy and Laparotomy), Plastic surgery, OBS and gynae (Episiotomy, C-Section), Neurosurgery (Craniotomy, shunts), Orthopaedic surgery.	Tissue Adhesive LiquiBand Exceed 0.8g Fast precise wound closure with a large yield of adhesive up to 30cm. Microbial barrier against gram positive, gram negative and fungal microbes also effective against Aureus, Paeruginosa, E-coli ,Candida abicans and MRSA. Used in large wound closure applications.	Tissue Adhesive Standard 0.5g that acts as a water resistant barrier sterile butyl cyanoacrylate designed for fresh wound where the edges are easy to approximate and not under tension. Suited for Emergency Department treatment.	Topical Adhesive Skin Link 0.7g for small wounds that are under tension or over joint areas and stress. 8 x small pressure sensitive strips with a N-Butyicyanoacrylate suited for Emergency Department treatment and operating theatres.	Topical Adhesive Large 0.7g for large wounds that are under tension or over joint areas and stress. 6 x large pressure sensitive strips with a N-Butyicyanoacrylate suited for Emergency Department treatment and operating theatres.	Tissue Adhesive Exceed XS topical skin adhesive 0.4g high viscosity liquid dressing Fast precise wound closure with a yield of adhesive up to 7cm. Microbial barrier against gram positive, gram negative and fungal microbes also effective against Aureus, Paeruginosa, E coli, Candida abicans and MRSA. Used in large wound closure applications.	Tissue Adhesive Topical XL Skin Closure System 22cm Topical skin adhesive with a 22cm polyproline mesh skin closure system. Product can be used to replace traditional skin closure methods after surgery.
Picture									
Route	Stocked	Stocked	Stocked	Stocked	eDirect	Stocked	Stocked	Blue Diamond	eDirect
UOI	Box 10	Box 6	Box 6	Box 6	Box 10	Box 5	Box 5	Box 10	Box 2
Storage	Ambient	Ambient	Ambient	Ambient	Ambient	Ambient	Ambient	Ambient	Ambient
Setting Times	10 seconds	10 seconds	60 seconds	60 seconds	131 seconds	5>90 seconds	5>90 seconds	60 seconds	5>90 seconds
Volume/Adhesive Type	0.5g/0.5ml Butyl/Octyl Cyanoacrylate	0.8g/0.8ml Butyl/Octyl Cyanoacrylate	0.8g/0.8ml 2-Octyl Cyanoacrylate	0.8g/0.8ml 2-Octyl Cyanoacrylate	0.5g/0.5ml Butyl/Cyanoacrylate	0.7g/0.7ml Cyanoacrylate	0.7g/0.7ml Cyanoacrylate	0.4g/0.4ml N Butyl/Cyanoacrylate	0.5g/0.5ml 2-Octyl Cyanoacrylate
Adhesive Delivery Tip	Precise Tip	Precise Tip	Large Round Tip	Large Square Tip	Precise Tip	Small Round Tip	Small Round Tip	Large Square Tip	Large Square Tip
Commitment	National Pricing Matrix (NPM) available	NPM available	NPM available	NPM available	NPM available	NPM available	NPM available	NPM available	NPM available
Country of Manufacture	United Kingdom	United Kingdom	United Kingdom	United Kingdom	United Kingdom	United Kingdom	United Kingdom	United Kingdom	United Kingdom

Tissue Adhesives











Supplier	Advanced Medical Solutions	B Braun Medical LTD	B Braun Medical LTD	B Braun Medical LTD	B Braun Medical LTD	B Braun Medical LTD	B Braun Medical LTD	B Braun Medical LTD	Chemence Ltd
Brand	Liquiband XL	Histoacryl	Histoacryl	Histoacryl	Histoacryl	Histoacryl	Histoacryl	Histoacryl	Chemence Derma+Flex
MPC	72014027	1050052	1050060	1051250P	1050044	10520000	10520010	1050071	LB60410
NPC	FXR001	FVN055	FVN069	FVF019	FVN176	FVF073	FVF074	FKV081	FVF057
Description/ Indications For Use	Tissue Adhesive Topical XL Skin Closure System 44cm. Topical skin adhesive with a 44cm polyproline mesh skin closure system. Product can be used to replace traditional skin closure methods after surgery.	Tissue Adhesive Histoacryl skin adhesive 5 ampoules of 0.5ml monomeric n-butyl-2-cyanoacrylate blue. A blue-dyed tissue adhesive for the closure of smooth, fresh skin wounds. Consisting of monomeric n-butyl-2-Cyanoacrylate, polymerises quickly when in contact with tissue fluids.	Tissue Adhesive Histoacryl skin adhesive 5 ampoules of 0.5ml monomeric lucent n-butyl-2-cyanoacrylate. A tissue adhesive for the closure of smooth, fresh skin wounds. Consisting of monomeric n-butyl-2-Cyanoacrylate, polymerises quickly when in contact with tissue fluids.	Tissue Adhesive Histoacryl flexible skin adhesive 5 ampoules of 0.5ml monomeric n-butyl-2-cyanoacrylate - blue. A tissue adhesive for the closure of smooth, fresh skin wounds. Consisting of monomeric n-butyl-2-Cyanoacrylate, polymerises quickly when in contact with tissue fluids.	Tissue Adhesive Histoacryl skin adhesive 10 ampoules of 0.5ml monomeric n-butyl-2-cyanoacrylate blue. A tissue adhesive for the closure of smooth, fresh skin wounds. Consisting of monomeric n-butyl-2-Cyanoacrylate Histoacryl, polymerises quickly when in contact with tissue fluids.	Tissue Adhesive High Viscosity 2-Octyl Cyanoacrylate 0.5ml High Viscosity 2-Octyl Cyanoacrylate polymerises quickly when in contact with tissue fluids.	Tissue Adhesive High Viscosity 2-Octyl Cyanoacrylate 1ml High Viscosity 2-Octyl Cyanoacrylate, polymerises quickly when in contact with tissue fluids.	Tissue Adhesive Histoacryl skin adhesive 10 ampoules of 0.5ml monomeric n-butyl-cyanoacrylate - translucent Monomeric n-butyl-cyanoacrylate – translucent, polymerises quickly when in contact with tissue fluids.	Tissue Adhesive Topical skin adhesive high viscosity medical cyanoacrylate Formulated medical cyanoacrylate gel tissue adhesive with control flow adaptor.
Picture									
Route	Stocked	Stocked	Stocked	eDirect	eDirect	eDirect	eDirect	eDirect	Stocked
UOI	Box 2	Pack 5	Pack 10	Box 5	Pack 10	Box 10	Box 10	Pack 10	Box 10
Storage	Ambient	Refrigeration	Refrigeration	Ambient	Ambient	Ambient	Ambient	Ambient	Ambient
Setting Times	5>90 seconds	60 seconds	60 seconds	60 seconds	60 seconds	30>60 seconds	30>60 seconds	30>60 seconds	60 seconds
Volume/Adhesive Type	0.7g/0.7ml/2-Octyl Cyanoacrylate	0.5g/0.5ml monomeric n-butyl-2-cyanoacrylate	0.5g/0.5ml monomeric n-butyl-2-cyanoacrylate	0.5g/0.5ml monomeric n-butyl-2-cyanoacrylate	0.5g/0.5ml monomeric n-butyl-2-cyanoacrylate	0.5g/0.5ml 2-Octyl Cyanoacrylate	1g/1ml 2-Octyl Cyanoacrylate	0.5g/0.5ml Monomeric n-butyl-cyanoacrylate	0.7g/0.7ml 2-Octyl Cyanoacrylate
Adhesive Delivery Tip	Large Square Tip	Precise Tip	Precise Tip	Precise Tip	Precise Tip	Medium Ridge Tip	Medium Ridge Tip	Precise Tip	Medium Ridge Round Tip
Commitment	NPM available	NPM available	NPM available	NPM available	NPM available	NPM available	NPM available	NPM available	NPM available
Country of Manufacture	Spain	Spain	Spain	Spain	Spain	Spain	Spain	Spain	USA



Tissue Adhesives									
Supplier	Chemence Ltd	Chemence Ltd	Chemence Ltd	Chemence Ltd	Chemence Ltd	Chemence Ltd	Johnson & Johnson Medical	Johnson & Johnson Medical	Johnson & Johnson Medical
Brand	Exofin Advantage	Derma Flex	Exofin Micro	Chemence	Chemence	Chemence	Prineo Dermabond	Prineo Dermabond	Dermabond
MPC	EX91011	QS70810CE	EX91510	EF70460CE	EF70430CE	EF70422CE	CLR602	CLR422	APP6
NPC	FKV13345	FVF072	FKV13350	FKV13364	FKV13365	FKV13366	ELY189	FKV13367	ELY144
Description/ Indications For Use	Tissue Adhesive 2 octyl cyanoacrylate high viscosity 1.0ml tissue adhesive. Product can be used to replace traditional skin closure methods.	Tissue Adhesive Derma Flex QS 2 octyl cyanoacrylate high viscosity. Product can be used to replace traditional skin closure methods.	Tissue Adhesive 2 octyl cyanoacrylate high viscosity 0.5ml. Product can be used to replace traditional skin closure methods.	Tissue Adhesive Exofin Fusion Skin closure system 2-octyl cyanoacrylate adhesive 60cm mesh. Product can be used to replace traditional skin closure methods after surgery.	Tissue Adhesive Exofin Fusion Skin closure system 2-octyl cyanoacrylate adhesive 30cm mesh. Product can be used to replace traditional skin closure methods after surgery.	Tissue Adhesive Exofin Fusion Skin closure system 2-octyl cyanoacrylate adhesive 22cm mesh. Product can be used to replace traditional skin closure methods after surgery.	Tissue Adhesive Skin closure system 2-octyl cyanoacrylate adhesive formulation mesh applicator with 2cm x 60cm mesh applicator. Product can be used to replace traditional skin closure methods after surgery.	Tissue Adhesive Skin Closure System with a 4cm x 22cm mesh formulation mesh applicator Product can be used to replace traditional skin closure methods after surgery.	Tissue Adhesive Dermabond pro-pen topical skin adhesive 2-octyl cyanoacrylate 0.5ml.
Picture									
Route	eDirect	eDirect	eDirect	eDirect	eDirect	eDirect	eDirect	eDirect	Stock
UOI	Box 10	Box 10	Box 6	Box 2	Box 2	Box 2	Pack 2	Box 2	Pack 6
Storage	Ambient	Ambient	Ambient	Ambient	Ambient	Ambient	Ambient	Ambient	Ambient
Setting Times	40 seconds	60 seconds	40 seconds	45 seconds	45 seconds	45 seconds	3 - 5 minutes	3 - 5 minutes	3 - 5 minutes
Volume/ Adhesive Type	1g/1.0ml 2 octyl cyanoacrylate	0.7g/0.7ml 2 octyl cyanoacrylate	0.5g/0.5ml 2 octyl cyanoacrylate	60CM 2 octyl cyanoacrylate	30CM 2 octyl cyanoacrylate	22CM 2 octyl cyanoacrylate	3.8g/3.8ml 2 octyl cyanoacrylate	3.8g/3.8ml 2 octyl cyanoacrylate	0.5g/0.5ml 2 octyl cyanoacrylate
Adhesive Delivery Tip	Medium Ridge Tip	Medium Round Tip	Medium Ridge Tip	Large Ridge Tip	Large Ridge Tip	Large Ridge Tip	Large Flexible Ridge Tip	Large Flexible Ridge Tip	Medium Ridge Tip
Commitment	NPM available	NPM available	NPM available	NPM available	NPM available	NPM available	NPM available	NPM available	NPM available
Country of Manufacture	USA	USA	USA	USA	USA	USA	USA	USA	USA

Tissue Adhesives



Supplier	Johnson & Johnson Medical	Johnson & Johnson Medical	Kebomed Uk Ltd	Kebomed Uk Ltd	Medtronic	Selamedical UK Ltd	Selamedical UK Ltd	Selamedical UK Ltd
Brand	Dermabond	Dermabond	Adhezion Biomedical	Surgiseal	Indermil Flexifuze	Glubran Tiss 2	Glubran Tiss 2	Glubran Tiss 2
MPC	APPXL6	AHV12	SS-050S	SS-035T	CM001	G-NB0C	G-NB0C-35	G-NB0C-25
NPC	ELY145	ELY102	FVF017	FVF016	FVT150	FRV041	FRV042	FRV043
Description/ Indications For Use	Tissue Adhesive Dermabond pro-pen topical skin adhesive 2-octyl cyanoacrylate 0.75ml.	Tissue Adhesive high viscosity dermabond dome tip applicator topical skin adhesive 2-octyl cyanoacrylate.	Tissue Adhesive Surgiseal topical skin adhesive stylus applicator 0.5ml. Product can be used to replace traditional skin closure methods	Tissue Adhesive Surgiseal topical skin adhesive teardrop applicator 0.35m. Product can be used to replace traditional skin closure methods	Tissue Adhesive 0.75g tissue adhesive with flow control applicator.	Tissue Adhesive 0.5ml with dispensing tip. Product can be used to replace traditional skin closure methods.	Tissue Adhesive 0.35ml with dispensing tip. Product can be used to replace traditional skin closure methods.	Tissue Adhesive 0.25ml with dispensing tip. Product can be used to replace traditional skin closure methods.
Picture								
Route	Stock	Stock	Stock	Stock	Stock	eDirect	eDirect	eDirect
UOI	Pack 6	Pack 12	Box 12	Box 12	Pack 12	Box 10	Box 10	Box 10
Storage	Ambient	Ambient	Ambient	Ambient	Ambient	Ambient	Ambient	Ambient
Setting Times	3 - 5 minutes	3 - 5 minutes	60 seconds	60 seconds	30 - 60 seconds	40>60 seconds	40>60 seconds	40>60 seconds
Volume/Adhesive Type	7.5g/0.75ml 2-octyl cyanoacrylate	3.6g/0.36ml 2-octyl cyanoacrylate	0.5g/0.5ml 2-octyl cyanoacrylate	3.5g/3.5ML 2-octyl cyanoacrylate	0.7g/0.7ml octyl blend cyanoacrylate	0.5g/0.5ml 2-octyl cyanoacrylate	0.35g/0.35ml 2-octyl cyanoacrylate	2.5g/0.25ml 2-octyl cyanoacrylate
Adhesive Delivery Tip	Medium Ridge Tip	Medium Ridge Tip	Medium Ridge Tip	Medium Teardrop Tip	Medium Ridge Tip	Precise Tip	Precise Tip	Precise Tip
Commitment	NPM available	NPM available	NPM available	NPM available	NPM available	NPM available	NPM available	NPM available
Country of Manufacture	USA	USA	USA	USA	USA	Italy	Italy	Italy



References:

If you have any questions, would like further information, or have feedback to share, please contact:

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