

SAFETY DATA SHEET



NU-GEL™ Hydrogel with Alginate

This Safety Data Sheet contains information concerning the potential risks to those involved in handling, transporting and working with the material, as well as describing potential risks to the consumer and the environment. This information must be made available to those who may come into contact with the material or are responsible for the use of the material. This Safety Data Sheet is prepared in accordance with formatting described in the REACH Regulation (EC) No 1907/2006, and described in CLP Regulation (EC) No 1272/2008.

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

1.1 Product identifier

NU-GEL™ Hydrogel with Alginate

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

Wound dressing. This product is only supplied for professional use as a medical device.

1.3 Details of the supplier of the safety data sheet

Systagenix Wound Management Ltd.

Gargrave

North Yorkshire BD23 3RX

United Kingdom

Phone: +44 (0)1756 747200

Email: (UK): ukcustserv@acelity.com

(US): customercareint@systagenix.com

1.4 Emergency telephone number

In case of emergency Tel. (UK): 0800 980 8880 (24hr)
(US): 1-800-275-4524 (24hr)

SECTION 2: Hazards Identification

2.1 Classification of the substance or mixture

This product is not classified as hazardous in accordance with EU regulations (Dangerous Preparations Directive 1999/45/EC or CLP Regulation (EC) No 1272/2008).

2.2 Label elements

No labelling is required in accordance with EU regulations (Dangerous Preparations Directive 1999/45/EC or CLP Regulation (EC) No 1272/2008).

2.3 Other hazards

This product is not expected to be hazardous under foreseen conditions of use. However, as with all health care products, care should be taken to carefully read the instructions before use.

SECTION 3: Composition

3.1 Substances

Not applicable. Product is not a substance.

3.2 Mixtures

NU-GEL™ Hydrogel with Alginate is a transparent hydro-active amorphous gel containing sodium alginate and propylene glycol.

Name	EC No	CAS No	Concentration	Classification
Propylene glycol	200-338-0	57-55-6		Not classified as hazardous. OEL

See section 16 for full details of any H Statements and R Phrases.

SECTION 4: First Aid Measures

4.1 Description of first aid measures

INHALATION: If any signs of adverse effect, move to area of fresh air and obtain medical advice.

SKIN CONTACT: No effects from skin contact are anticipated. Wash skin with plenty of soap and water.

EYE CONTACT: No effects from eye contact are expected. Rinse eye with plenty of water.

INGESTION: If swallowed, rinse mouth thoroughly and drink small quantity of water (500 ml).

4.2 Most important symptoms and effects, both acute and delayed

No effects from skin or eye contact are anticipated.

4.3 Indication of any immediate medical attention and special treatments needed

Symptomatic treatment as required

SECTION 5: Firefighting Measures

5.1 Extinguishing media

No known adverse reactions with any extinguishing media. Use extinguisher appropriate to surrounding conditions.

5.2 Special hazards arising from the substance or mixture

Normal combustion products are considered to be carbon dioxide, although incomplete combustion may lead to the formation of organic decomposition products.

5.3 Advice for fire fighters

No special precautions required. Wear normal fire-fighting kit and breathing apparatus as appropriate.

SECTION 6: Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

No special precautions required.

6.2 Environmental precautions

No special precautions required.

6.3 Methods and materials for containment and clearing up

Small quantities of spilled gel can be absorbed using paper towels.

For larger spills, cover with a suitable absorbent, and collect for disposal.

Wash spill area with soap and water.

6.4 References to other sections

None.

SECTION 7: Handling and Storage

7.1 Precautions for safe handling

Normal sterile working procedures will provide adequate protection.

7.2 Conditions for safe storage, including any incompatibilities

Store in a cool dry place. Avoid extremes of temperature.

7.3 Specific end uses(s)

None.

SECTION 8. Exposure Controls/Personal Protection**8.1 Control parameters**

Substance	8 hour exposure limit	15 minute exposure limit	Source, Type
Propan-1,2-diol (propylene glycol)			EH40, 2011
- total vapour and particulates	150 ppm (474 mg/m ³)	-	
- particulates	- (10 mg/m ³)	-	

8.2 Exposure controls

Engineering controls are not required.

Respiratory protection

No special precautions required. Inhalation is not likely to occur.

Hand Protection

Surgical gloves should be worn in accordance with normal working procedures.

Eye protection

No special precautions required.

Skin protection

No special precautions required.

Environmental exposure controls

None

SECTION 9: Physical and Chemical Properties**9.1 Information on basic physical and chemical properties**

Appearance:	Clear gel
Odour:	None
Odour threshold:	Not applicable
pH:	Not applicable
Melting point:	Not applicable
Boiling point:	Not applicable
Flashpoint:	Not applicable
Evaporation rate:	Not applicable
Flammability:	Combustible
Upper/lower flammability limits:	Not applicable
Vapour pressure:	Not applicable
Vapour density	Not applicable
Relative density	Not applicable
Solubility in water:	Soluble
Solubility in other solvents:	Not applicable
Partition coefficient (log K _{ow})	Not applicable
Autoignition temperature	No data
Decomposition temperature	No data
Viscosity	Not applicable
Explosive properties	Not considered explosive
Oxidising properties	Not considered oxidising

9.2 Other information

None

SECTION 10: Stability and Reactivity

10.1 Reactivity

No reactive hazards known.

10.2 Chemical stability

Stable under normal conditions of use.

10.3 Possibility of hazardous reactions

No hazardous reactions expected.

10.4 Conditions to avoid

Avoid extremes of temperature

10.5 Incompatible materials

Avoid contact with strong oxidizing agents

10.6 Hazardous decomposition products

Normal combustion products.

SECTION 11: Toxicological Information

11.1 Information on toxicological effects

This product has not been tested. Judgements on the expected toxicity of this product have been made based upon consideration of its major components.

(a) acute toxicity	No effects are anticipated from the product as supplied.
(b) skin corrosion/irritation	No effects on the skin are anticipated from the product as supplied.
(c) serious eye damage/irritation	No effects are anticipated from the product as supplied.
(d) respiratory/skin sensitisation	NU-GEL™ Hydrogel with Alginate contains propylene glycol which might cause irritation or sensitisation in a small number of individuals
(e) germ cell mutagenicity	Contains no known mutagens
(f) carcinogenicity	Contains no known carcinogens
(g) reproductive toxicity	Contains no known reproductive toxins
(h) STOT-single exposure	No effects are anticipated from the product as supplied.
(i) STOT-repeated exposure	No effects are anticipated from the product as supplied.
(j) aspiration hazard	Not applicable to this product

SECTION 12: Ecological Information

12.1 Toxicity

No effects are anticipated from the product as supplied.

12.2 Persistence and degradability

This product will biodegrade slowly in the environment.

12.3 Bioaccumulative potential

None of the components are known to be bioaccumulative.

12.4 Mobility in soil

Not expected to be mobile.

12.5 Results of PBT and vPvB assessment

None of the components are known to be PBT or vPvB.

12.6 Other adverse effects

None known.

SECTION 13: Disposal Considerations

13.1 Waste treatment methods

Disposal should be in accordance with local and national regulations.
Used dressings should be disposed of as clinical waste.

SECTION 14: Transport Information

Not regulated as hazardous for transport.

	ADR	IMDG	ICAO
14.1 UN Number	None	None	None
14.2 UN Proper shipping name	None	None	None
14.3 Transport hazard class(es)	None	None	None
14.4 Packing group	None	None	None
14.5 Environmental hazards	None	None	None
14.6 Special precautions for user	None	None	None
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	None	None	None

SECTION 15: Regulatory Information

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

All components are listed as existing substances in Europe

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

SECTION 16: Other Information

Revision information: Change of branding symbol, logo and update to contact details.

Approved for use as a medical device. Refer to full Instructions For Use.

Special training: no specialist training required with respect to chemical hazards

List of Abbreviations used in this SDS:

CAS Chemical Abstracts Service
CLP Classification, Labelling and Packaging Regulation (EC) no 1272/2008
DSD Dangerous Substances Directive 67/548/EEC
DPD Dangerous Preparations Directive 1999/45/EC
EC European Community/Commission
PBT Persistent, Bioaccumulative and Toxic
REACH Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) no 1907/2006
vPvB very Persistent, very Bioaccumulative

References:

ECHA CHEM database
EH40, 2011