

MATERIAL SAFETY DATA SHEET (MSDS)

MSNG000 v3.1

SECTION 1 COMPANY AND PRODUCT IDENTIFICATION

Manufacturer	NuSep Ltd	Phone:	+1 877 592 1060
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Product Names and Codes

Cassette Type/Size	% Acrylamide	10 Well (50 µL) Cat#	12 Well (30 µL) Cat#	15 Well (25 µL) Cat#	17 Well (20 µL) Cat#
Max	8%	NN10-008	NN12-008	-	NN17-008
10.0 cm (wide)	10%	NN10-010	NN12-010	-	NN17-010
10.0 cm (high)	12%	NN10-012	NN12-012	-	NN17-012
	8-16%	NN10-816	NN12-816	-	NN17-816
	4-20%	NN10-420	NN12-420	-	NN17-420
Mini	8%	NB10-008	NB12-008	-	NB17-008
10.0 cm (wide)	10%	NB10-010	NB12-010	-	NB17-010
8.5 cm (high)	12%	NB10-012	NB12-012	-	NB17-012
	8-16%	NB10-816	NB12-816	-	NB17-816
	4-20%	NB10-420	NB12-420	-	NB17-420
Universal	8%	NG21-008	NG11-008	NG31-008	-
10.0 cm (wide)	10%	NG21-010	NG11-010	NG31-010	-
8.0 cm (high)	12%	NG21-012	NG11-012	NG31-012	-
	8-16%	NG21-816	NG11-816	NG31-816	-
	4-20%	NG21-420	NG11-420	NG31-420	-

Product Use Gel cassette for electrophoresis separation of charged molecules such as proteins.

SECTION 2 COMPOSITION AND INFORMATION ON INGREDIENTS

Ingredients	CAS No.	Proportion, %
Polyacrylamide	9003-05-8	< 30 *
TRIS	77-86-1	< 2.5
Sodium azide *	26628-22-8	< 0.004 **
Water	7732-18-5	to 100

* Average concentration in most highly concentrated gel, other gels contain less. ** Sodium azide in storage buffer only.

SECTION 3 HAZARDS IDENTIFICATION

Health Hazard Classification NON-HAZARDOUS.
UN Classification (and #) Not a Dangerous Good (No Number Allocated).
Poison Schedule (SUSDP) Not a Scheduled Poison.

EMERGENCY OVERVIEW

Product Clear, solid, gel encased in a hard plastic cassette, individually packaged in a plastic sachet in storage buffer (pH 8.5).
Major Health Hazards None known.

POTENTIAL HEALTH EFFECTS

Inhalation The gel is unlikely to pose an inhalation hazard because it is encased in a plastic cassette.
Skin Contact Data suggests that this product should present no significant problems.
Eye Contact This product may be mildly irritating to eyes. However, it is unlikely to cause any more than mild transient discomfort. It is also unlikely to cause any lasting effects.
Ingestion Ingestion of the cassette is unlikely. Gel may cause gastrointestinal irritation if swallowed.
Chronic Exposure No specific data is available for the product for chronic exposure symptoms.

CARCINOGEN STATUS

Ingredients are not classified as human carcinogens by the International Agency for Research on Cancer (IARC).

SECTION 4 FIRST AID MEASURES

Eye Contact Quickly and gently blot or brush away chemical. Immediately flush the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, or until the chemical is removed. While holding the eyelid(s) open. If irritation persists, seek medical advice.
Ingestion Drink plenty of water and seek immediate medical attention.

SECTION 5 FIRE FIGHTING MEASURES

Flashpoint Data not available. This product does not burn.
Flammable Limits Not applicable.
Extinguishing Media This product does not burn. Use extinguishing media suited to the materials that are burning.
Fire & Explosion Hazards If involved in fire, there is no explosion risk from this product under normal circumstances. Fire decomposition products from this product may form toxic mixtures in confined spaces. Likely to decompose only after heating to dryness followed by further strong heating (minor quantities of carbon dioxide, and if combustion is incomplete, carbon monoxide and smoke; water).
Fire Fighting Equipment No special fire fighting clothing is necessary. However, wear safety shoes and overalls.

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SECTION 6 ACCIDENTAL RELEASE MEASURES			
Not applicable. The solid product is encased in a plastic cassette and other packaging.			
SECTION 7 HANDLING AND STORAGE			
Handling	Avoid contact with eyes, skin and clothing. Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.		
Storage	Store at 4-8 °C. Keep from extreme heat and open flames.		
SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION			
Exposure Limits	Not applicable.		
Engineering Controls	No specific exposure controls needed.		
Personal Protection	Protective gloves and glasses are not normally necessary when using this product. However, it is always prudent to wear gloves and glasses when handling any laboratory chemicals.		
SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES			
Physical State	Solid gel.	Specific Gravity	Not relevant.
Colour	Clear.	Water Solubility	Insoluble.
Odour	No odour.	pH	Not available.
Boiling Point	Not relevant.	Volatility	Not available.
Melting Point	Not available.	Odour Threshold	Not available.
Vapour Pressure	Not available.	Evaporation Rate	Not available.
Vapour Density	Not available.	Coefficient of Distribution	Not available.
SECTION 10 STABILITY AND REACTIVITY			
Stability	This product is believed to be stable at normal temperatures and pressure.		
Materials to avoid	No particular incompatibilities.		
Hazardous Decomposition Products	None. Product is unlikely to spontaneously decompose.		
Hazardous Polymerisation	This product is unlikely to spontaneously polymerise.		
SECTION 11 TOXICOLOGICAL INFORMATION			
Specific data is not available for this product. The ingredients are not classified as toxic.			
SECTION 12 ECOLOGICAL INFORMATION			
Specific data is not available for this product. Care should still be taken to ensure polyacrylamide gel does not enter the environment.			
SECTION 13 DISPOSAL CONSIDERATIONS			
Dispose of in accordance with local, state and federal regulations.			
SECTION 14 TRANSPORT INFORMATION			
No special transport requirements.			
SECTION 15 REGULATORY INFORMATION			
This product has been classified according to the hazard criteria of the Controlled Product Regulations (Canada) and found to be non-hazardous. Not classified as hazardous according to criteria of OSHA. Not classified as hazardous according to criteria of NOHSC. Not classified as dangerous goods according to the ADG Code.			
SECTION 16 OTHER INFORMATION			
Label Text	Please read all labels carefully before using this product.		
Acronyms	ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail.	
	CAS Number	Chemical Abstracts Service Registry Number.	
	IARC	International Agency for Research on Cancer.	
	NOHSC	National Occupational Health and Safety Commission (Australia).	
	OSHA	Occupational Safety and Health Administration (U.S.A.).	
	SUSDP	Standard for the Uniform Scheduling of Drugs and Poisons (Australia).	
	UN Number	United Nations Number.	
Preparation	This MSDS has been prepared according to international guidelines and is suitable for use in Canada, USA, Mexico, Japan, Europe, UK, Australia and other countries.		
	This MSDS summarises our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace.		
	Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products.		
	If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.		
	MSDS prepared by NuSep.		

END