


SECTION 1: IDENTIFICATION	
<b>1.1 Product identifier</b>	
<b>Product name:</b>	HY-50 (solution for Injection)
<b>Synonyms:</b>	Hyaluronic Acid, Hyaluronate, Hyaluronic Acid Sodium
<b>Proper Shipping name:</b>	Not Applicable
<b>Other means of identification:</b>	None
<b>1.2 Relevant identified uses of the substances or mixture and uses advised against</b>	
<b>Recommended uses:</b>	<b>For use in horses.</b> For intra-articular and intravenous treatment of lameness caused by joint dysfunction associated with non-infectious synovitis.
<b>Uses advised against:</b>	Not for human use. Do not use in cases of joint infection.
<b>1.3 Details of the supplier of the substance or mixture</b>	
<b>Registered company name:</b>	Dechra Ltd
<b>Address:</b>	Snaygill Industrial Estate Keighley Road Skipton North Yorkshire BD23 2RW UK
<b>Telephone:</b>	+44 (0) 1756 791311
<b>Fax:</b>	+44 (0) 1756 798604
<b>Website:</b>	www.dechra.com
<b>Email:</b>	Not available
<b>New Zealand Supplier:</b>	RxVet Ltd
<b>Address:</b>	Unit 15 2-4 Northpoint Street Plimmerton Porirua 5026 New Zealand
<b>Telephone:</b>	0800 479 838
<b>Fax:</b>	04 974 7793
<b>Website:</b>	www.rxvet.co.nz
<b>Email:</b>	info@rxvet.co.nz
<b>1.4 Emergency Telephone Numbers</b>	

<b>New Zealand National Poisons Center:</b>	0800 764 766 [0800 POISON], 24 hour service
<b>SECTION 2: HAZARDS IDENTIFICATION</b>	
<b>Not considered a hazardous mixture according to Reg. (EC) No 1272/2008 and their amendments. Not classified as Dangerous Goods for transport purposes.</b>	
<b>2.1 Classification of the substance or mixture</b>	
<b>Classification:</b>	Not Applicable
<b>2.2 Label Elements</b>	
<b>GHS Label Elements:</b>	Not Applicable
<b>Signal Word:</b>	Not Applicable
<b>Hazard statement(s):</b> Not Applicable - Not hazardous	
<b>Precautionary Statement(s) Prevention:</b> Not Applicable – not hazardous	
<b>Precautionary Statement(s) Response:</b> Not Applicable	
<b>Precautionary Statement(s) Storage:</b> Not Applicable	
<b>Precautionary Statement(s) Disposal:</b> Not Applicable	
<b>2.3 Other Hazard Information</b>	
Not Applicable	

<b>SECTION 3: INFORMATION ON THE INGREDIENTS</b>			
<b>3.1 Substances</b>			
See section below for composition of mixtures			
<b>3.2 Mixtures</b>			
<b>CAS Number</b>	<b>% Weight</b>	<b>Name</b>	<b>Indication</b>
9067-32-7	1.7	Sodium Hyaluronate	Not hazardous
Not available	Proprietary	Other ingredients determined not to be hazardous	Not hazardous
<b>SECTION 4: FIRST AID MEASURES</b>			
NZ Poisons Centre 0800 POISON (0800 764 766)   NZ Emergency Services: 111			

<b>4.1 Description of first aid measures</b>	
<b>Eye contact:</b>	In case of accidental spillage onto eyes, immediately wash the affected area with water. If irritation continues, seek medical attention, showing the package leaflet and packaging to the medical practitioner.
<b>Skin contact:</b>	In case of accidental spillage onto skin, immediately wash the affected area with water. If you develop irritation following exposure, seek medical attention, showing the package leaflet and packaging to the medical practitioner.
<b>Inhalation:</b>	If fumes, aerosols or combustion products are inhaled remove from contaminated area. Seek medical attention if irritation occurs, showing the package leaflet and packaging to the medical practitioner.
<b>Ingestion:</b>	Flush mouth out with water. Seek medical attention showing the package leaflet and packaging to the medical practitioner. Treatment is symptomatic and includes replacement of fluid and electrolytes.
<b>4.2 Most important symptoms and effects, both acute and delayed</b>	
<b>Eye contact:</b>	Direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness (as with windburn).
<b>4.3 Indication of immediate medical attention and special treatment needed</b> Not applicable	
<b>SECTION 5: FIRE FIGHTING MEASURES</b>	
<b>5.1 Extinguishing media</b>	
<b>Suitable:</b>	Select extinguishing media suitable for surrounding area.
<b>Unsuitable:</b>	There is no restriction on the type of extinguisher which may be used.
<b>5.2 Special hazards arising from the substance or mixture</b>	
<b>Fire incompatibility:</b>	None known.
<b>5.3 Special protective actions for fire-fighters:</b>	
<b>Firefighting:</b>	No special precautions
<b>Fire / explosion hazard:</b>	Non-combustible. Not considered a significant fire risk, however containers may burn.

<b>SECTION 6: ACCIDENTAL RELEASE MEASURES</b>	
<b>6.1 Personal precautions, protective equipment and emergency procedures</b>	
For information on protective equipment, see section 8	
<b>6.2 Environmental Precautions</b>	
See section 12	
<b>6.3 Methods and material for containment and cleaning up</b>	
Spills are unlikely due to the nature of the product and how it is packaged	
<b>Minor Spills:</b>	Clean up all spills immediately. Avoid breathing vapours and contact with skin and eyes. Control personal contact with the substance, by using protective equipment. Contain and absorb spill with sand, earth, inert material or vermiculite. Place in a suitable, labelled container for waste disposal.
<b>Major Spills:</b>	Clear area of personnel and move upwind. Put residues in labelled containers for disposal. Large spills should be collected into an appropriate container for waste disposal. Prevent, by any means available, spillage from entering drains or water course.
<b>SECTION 7: HANDLING AND STORAGE</b>	
<b>7.1 Precautions for safe handling</b>	
<b>Safe handling:</b>	Wear suitable protection gloves and clothing when handling the product. When handling, <b>DO NOT</b> eat, drink or smoke. Always wash hands with water after handling. Observe manufacturer's storage and handling recommendations.
<b>7.2 Conditions for safe storage, including any incompatibilities</b>	
<b>Safe Storage:</b>	Store in a refrigerator (2 °C – 8 °C). Do not freeze. Shelf life of the veterinary medicinal product as packaged for sale: 3 years. Protect from light and humidity. Single dose syringes made ready for injection shall be used immediately. Any unused portion of a syringe is to be discarded. Stored in pre-loaded 3 ml single-dose glass syringes. Each syringe is packaged in an individual heat-sealed tray and carton. Keep out of reach and sight of children.
<b>Storage incompatibility:</b>	Do not mix with any other products. Store in original containers. Keep containers securely sealed. Store in a cool, dry, well-ventilated area.

<b>7.3 Specific end uses</b>	
Remove product from refrigerator approximately 10 minutes before performing injection.	
<b>SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION</b>	
<b>8.1 Control parameters</b>	
<b>Occupational Exposure Limits (OEL)</b>	
<b>Ingredient data:</b> Not available	
<b>Emergency limits:</b> Not available	
<b>8.2 Exposure controls</b>	
<b>Appropriate engineering controls:</b>	The basic types of engineering controls are: Process controls which involve changing the way a job activity or process is done to reduce the particular risk.
<b>Personal protection:</b>	
<b>Eye and face protection:</b>	No special equipment for minor exposure i.e. when handling small quantities. OTHERWISE: Safety glasses with side shields.
<b>Skin protection:</b>	See hand protection below
<b>Hands/ feet protection:</b>	No special equipment needed when handling small quantities. OTHERWISE: Wear chemical protective gloves
<b>Body protection:</b>	Wear appropriate clothing
<b>Other protection:</b>	No special equipment needed when handling small quantities
<b>Thermal hazards:</b>	Not applicable
<b>Respiratory protection:</b>	Not applicable
<b>Recommended Material(s)</b>	
<b>Glove Selection Index</b> Glove selection is based on a modified presentation of the: <b>"Forsberg Clothing Performance Index"</b> . The effect(s) of the following substance(s) are taken into account in the <b>computer-generated</b> selection;	
<b>HY-50</b>	
BUTYL	C
NATURAL RUBBER	C

<b>7.3 Specific end uses</b>	
NATURAL+NEOPRENE	C
NEOPRENE	C
NITRILE	C
PVA	C
VITON	C
<p>* CPI - Chemwatch Performance Index A: Best Selection B: Satisfactory; may degrade after 4 hours continuous immersion C: Poor to Dangerous Choice for other than short term immersion <b>NOTE:</b> As a series of factors will influence the actual performance of the glove, a final selection must be based on detailed observation. - * Where the glove is to be used on a short term, casual or infrequent basis, factors such as "feel" or convenience (e.g. disposability), may dictate a choice of gloves which might otherwise be unsuitable following long-term or frequent use. A qualified practitioner should be consulted.</p>	
<b>8.3 Environmental exposure controls</b>	
Not applicable	

**7.3 Specific end uses**

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

**9.1 Information on basic physical and chemical properties**

**Appearance:**

HY-50: Clear, colourless, viscous solution

Error: Reference source not found: White or almost white, very hygroscopic powder or fibrous aggregate

**Physical state:** Liquid

**Odour:** Not available

**Odour Threshold:** Not available

**pH (as supplied):** 6.2-7.8

**Melting point / freezing point (degrees C):** Not available

**Initial boiling point and boiling range:** Not available

**Flash Point:** Not available

**Evaporation rate:** Not available

**Flammability:** Not available

**Upper/lower flammability or explosive limits:** Not available

**Vapour pressure:** Not available

**Relative Density (at degrees C):** Not available

**Solubility in water and solvents (mg/l):** Water: Soluble Solvents: Insoluble

**Vapour density:** Not available

**Auto ignition temperature (degrees C):** Not available

**Decomposition temperature (degrees C):** Not available

**Viscosity: (degrees C):** Not available

**Explosive properties:** Not available

**Oxidising properties:** Not available

**Partition Coefficient:** Not available

**Molecular weight:** Not available

**Taste:** Not available

**Surface tension:** Not available

**Volative component:** Not available

**Gas group:** Not available

**pH as a solution:** Sodium Hyaluronate 0.5% solution in water = 5.0 - 8.5

**VOC g/L:** Not available

**9.2 Other information**

Not available

**SECTION 10: STABILITY AND REACTIVITY**

**10.1 Reactivity:**

See Section 7

**10.2 Chemical stability:**

Product is considered stable.  
 Hazardous polymerisation will not occur.

**10.3 Possibility of hazardous reactions:**

See Section 7

**10.4 Conditions to avoid:**

Avoid direct sunlight.  
 See Section 7

<b>7.3 Specific end uses</b>					
<b>10.5 Incompatible materials:</b>	See Section 7				
<b>10.6 Hazardous decomposition:</b>	See Section 5				
<b>SECTION 11: TOXICOLOGICAL INFORMATION</b>					
<b>Inhalation:</b>	The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.				
<b>Ingestion:</b>	The material has <b>NOT</b> been classified by EC Directives or other classification systems as "harmful by ingestion". This is because of the lack of corroborating animal or human evidence.				
<b>Skin contact:</b>	The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EC Directives using animal models). Nevertheless, good hygiene practice requires that exposure be kept to a minimum and that suitable gloves be used in an occupational setting.				
<b>Eye contact:</b>	Although the liquid is not thought to be an irritant (as classified by EC Directives), direct contact with the eye may produce transient discomfort characterised by tearing or conjunctival redness (as with windburn).				
<b>Chronic:</b>	Long-term exposure to the product is not thought to produce chronic effects adverse to the health (as classified by EC Directives using animal models); nevertheless exposure by all routes should be minimised as a matter of course.				
<b>Hy-50:</b>	<table border="1"> <thead> <tr> <th>Toxicity</th> <th>Irritation</th> </tr> </thead> <tbody> <tr> <td>Hyaluronic acid in the product HY-50 is of very low toxicity. With the exception of cellular and inflammatory responses when injected directly into joints, no toxicity has been demonstrated in experimental animals.</td> <td>N/a</td> </tr> </tbody> </table>	Toxicity	Irritation	Hyaluronic acid in the product HY-50 is of very low toxicity. With the exception of cellular and inflammatory responses when injected directly into joints, no toxicity has been demonstrated in experimental animals.	N/a
Toxicity	Irritation				
Hyaluronic acid in the product HY-50 is of very low toxicity. With the exception of cellular and inflammatory responses when injected directly into joints, no toxicity has been demonstrated in experimental animals.	N/a				
<b>a) Acute toxicity:</b>	N/a				
<b>f) Carcinogenicity:</b>	N/a				



<b>7.3 Specific end uses</b>			
<b>b) Skin irritation/corrosion:</b>	N/a	<b>g) Reproductive toxicity:</b>	N/a
<b>c) Serious eye damage/irritation:</b>	N/a	<b>h) STOT – single exposure:</b>	N/a
<b>d) Respiratory or skin sensitization:</b>	N/a	<b>i) STOT – repeated exposure:</b>	N/a
<b>i) Germ cell mutagenicity:</b>	N/a	<b>j) Aspiration hazard:</b>	N/a

**SECTION 12: ECOLOGICAL INFORMATION**

<b>12.1 Toxicity</b> Not toxic
<b>12.2 Persistence and degradability</b> Not available – not applicable
<b>12.3 Bioaccumulative potential</b> Not available – not applicable
<b>12.4 Mobility in soil</b> Not available – not applicable
<b>12.5 Results of PBT and vPvB assessment</b> Not available – not applicable
<b>12.6 Other adverse effects</b> Not available – not applicable

**SECTION 13: DISPOSAL CONSIDERATIONS**

<b>13.1 Waste treatment methods</b>	
<b>Product / packaging disposal:</b>	<p>Any unused veterinary medicinal product or waste material derived from such veterinary medicinal products should be disposed of in accordance with national requirements.</p> <p>Legislation addressing waste disposal requirements may differ by country, state and/ or territory. Each user must refer to laws operating in their area.</p> <p>A Hierarchy of Controls seems to be common - the user should investigate:            Reduction            Reuse            Recycling            Disposal (if all else fails)</p> <p>Ensure that the disposal of material is carried out in accordance with</p>

<b>7.3 Specific end uses</b>	
	Hazardous Substances (Disposal) Regulations 2001.

<b>7.3 Specific end uses</b>		
<b>SECTION 14: TRANSPORT INFORMATION</b>		
<b>Labels required:</b> N/a		
<b>Marine pollutant:</b>	No	
<b>Hazchem:</b>	Not available	
<b>Land transport (DOT): NON-DANGEROUS MATERIAL</b>		
<b>14.1 UN Number</b>	N/a	
<b>14.2 UN Proper Shipping Name</b>	N/a	
<b>14.3 Transport hazard class(es)</b>	Class	N/a
	Sub risk	N/a
<b>14.4 Packing group</b>	N/a	
<b>14.5 Environmental hazards</b>	N/a	
<b>14.6 Special precautions for user</b>	Special provisions	N/a
	Limited quantity	N/a
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not Applicable	
<b>Air transport (ICAO-IATA / DGR): NON-DANGEROUS MATERIAL</b>		
<b>14.1 UN Number</b>	N/a	
<b>14.2 UN Proper Shipping Name</b>	N/a	
<b>14.3 Transport hazard class(es)</b>	ICAO/IATA Class	N/a
	ICAO / IATA Sub risk	N/a
	ERG Code	N/a
<b>14.4 Packing group</b>	N/a	
<b>14.5 Environmental hazards</b>	N/a	
<b>14.6 Special precautions for user</b>	Special provisions	N/a
	Cargo only packing instructions	N/a
	Cargo only maximum qty/pack	N/a

<b>7.3 Specific end uses</b>		
	Passenger and cargo packaging instructions	N/a
	Passenger and cargo maximum qty/pack	N/a
	Passenger and cargo limited quantity packing instructions	N/a
	Passenger and cargo limited maximum qty/pack	N/a
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not Applicable	
<b>Sea transport (IMDG-Code / GGVSee): NON-DANGEROUS MATERIAL</b>		
<b>14.1 UN Number</b>	N/a	
N/a	N/a	
<b>14.3 Transport hazard class(es)</b>	IMDG Class	N/a
	IMDG Sub risk	N/a
<b>14.4 Packing group</b>	N/a	
<b>14.5 Environmental hazards</b>	N/a	
<b>14.6 Special precautions for user</b>	EMS Number	N/a
	Special provisions	N/a
	Limited quantities	N/a
<b>14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not Applicable	
<b>SECTION 15: REGULATORY INFORMATION</b>		
<b>15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture</b>		
This substance is to be managed using the conditions specified in an applicable Group Standard		
<b>HSR Number</b>	<b>Group Standard</b>	
N/a	N/a	
<b>Registered pursuant to the ACVM Act 1997 No A11417 Restricted Veterinary Medicine</b>		

<b>7.3 Specific end uses</b>		
<b>SODIUM HYALURONATE(9067-32-7) IS FOUND ON THE FOLLOWING REGULATORY LISTS</b>		
Not applicable		
<b>Location Test Certificate</b> Subject to Regulation 55 of the Hazardous Substances (Classes 1 to 5 Controls) Regulations, a location test certificate is required when quantity greater than or equal to those indicated below are present.		
<b>Hazard Class</b>	<b>Quantity beyond which controls apply for closed containers</b>	<b>Quantity beyond which controls apply when use occurring in open containers</b>
Not Applicable	Not Applicable	Not Applicable
<b>Approved Handler</b> Subject to Regulation 56 of the Hazardous Substances (Classes 1 to 5 Controls) Regulations and Regulation 9 of the Hazardous Substances (Classes 6, 8, and 9 Controls) Regulations, the substance must be under the personal control of an Approved Handler when present in a quantity greater than or equal to those indicated below.		
<b>Class of substance</b>	<b>Quantities</b>	
Not Applicable	Not Applicable	
Refer group Standards for further information		
<b>National Inventory</b>	<b>Status</b>	
Australia - AICS	Y	
Canada - DSL	Y	
Canada - NDSL	Y	
China - IECSC	Y	
Europe - EINEC / ELINCS / NLP	Y	
Japan - ENCS	Y	
Korea - KECI	Y	
New Zealand - NZIoC	Y	
Philippines - PICCS	Y	
USA - TSCA	Y	
<b>Legend:</b>	Y = All ingredients are on the inventory N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets)	
<b>15.2 Chemical Safety Assessment</b>		
Not applicable		

### 7.3 Specific end uses

#### SECTION 16: OTHER INFORMATION

The SDS is written in accordance to guidelines specified by REACH, GHS, OSHA and ECHA.

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Prepared by DECHRA LTD on the basis of the best available data. No representation is given that the information provided is complete in all respects.

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Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the Chemwatch Classification committee using available literature references.