



SECTION 1: IDENTIFICATION	
1.1 Product identifier	
Product name:	HY-50 VET® (Solution for Injection)
Synonyms:	Sodium Hyaluronate
Proper Shipping name:	Not Applicable
Other means of identification:	None
1.2 Relevant identified uses of the substances or mixture and uses advised against	
Recommended uses:	For intra-articular and intravenous treatment of lameness caused by joint dysfunction associated with non-infectious synovitis.
Uses advised against:	Not Applicable
1.3 Details of the supplier of the substance or mixture	
Registered company name (UK):	Dechra Ltd
Address:	Snaygill Industrial Estate Keighley Road Skipton North Yorkshire BD23 2RW UK
Telephone:	+44 (0) 1756 791311
Fax:	+44 (0) 1756 798604
Website:	www.dechra.com
Email:	Not Available
Distributor name (Canada):	Dechra Veterinary Products
Address:	1 Holiday Ave, East Tower, Suite 345 Pointe-Claire, QC H9R 5N3 Canada
Telephone:	+1 (855) 332 9334
Website:	www.dechra.ca
Email:	Not Available
1.4 Emergency Telephone Numbers	
Dechra (US):	+1 (866) 933 2472
Dechra (CA):	+1 (855) 332 9334

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Not considered a hazardous mixture according to Reg. (EC) No 1272/2008 and their amendments. Not classified as Dangerous Goods for transport purposes.

Classification according to regulation (EC) No 1272/2008 [CLP] (EU)¹:	H361: Reproductive Toxicity Category 2
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Classification (US):	Reproductive Toxicity Category 2
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2.2 Label Elements

GHS Label Elements:	
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Signal Word:	WARNING
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Hazard statement(s):

None

Supplementary Statement(s) EU:

EUH208	Not Applicable.
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Precautionary Statement(s) Prevention:

	Not Applicable.
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Precautionary Statement(s) Response:

P308 + P313	If exposed or concerned: Get medical advice / attention.
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P305 + P351 + P338	If in eyes: Rinse out immediately with water. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. Continue rinsing.
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Precautionary Statement(s) Storage:

Not Applicable.

Precautionary Statement(s) Disposal:

Not Applicable.

2.3 Other Hazard Information

REACH Article 57-59: The mixture does not contain Substances of Very High Concern (SVHC) at the SDS print date.

SECTION 3: INFORMATION ON THE INGREDIENTS

3.1 Substances

See section below for composition of mixtures



3.2 Mixtures

- 1. Not Available
- 2. Not Available
- 3. Not Available
- 4. Not Available

Legend:	1. Classified by Chemwatch; 2. Classification drawn from EC Directive 67/548/EEC – Annex 1; 3. Classification drawn from EC Directive 1272/2008 – Annex VI 4. Classification drawn from C&L
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SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact:	Remove from exposure. Wash immediately with copious quantities of water and seek medical attention.
Skin contact:	Remove from exposure. Wash immediately with copious quantities of water and, if irritation persists, seek medical attention.
Inhalation:	Remove from exposure and seek medical attention if irritation occurs.
Ingestion:	Remove material and flush mouth with water. Seek medical attention: treatment is symptomatic and includes replacement of fluid and electrolytes.
Self-injection:	Care should be taken when handling the product to avoid self-injection, especially by pregnant women. Read the package leaflet before use for full instructions and user warnings.

4.2 Most important symptoms and effects, both acute and delayed

Eye contact:	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).
Skin contact:	The material is not thought to produce adverse health effects or skin irritation following contact (as classified by EU 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.
Ingestion:	The material has not 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.
Self-injection:	Not Available

See Section 11 for more detailed information

4.3 Indication of immediate medical attention and special treatment needed

Treat symptomatically.



SECTION 5: FIRE FIGHTING MEASURES	
5.1 Extinguishing media	
Suitable:	Select extinguishing media suitable for surrounding area
Unsuitable:	There is no restriction on the type of extinguisher which may be used
5.2 Special hazards arising from the substance or mixture	
Fire incompatibility:	None known
5.3 Special protective actions for fire-fighters:	
Firefighting:	Use water delivered as a fine spray to control fire and cool adjacent area. Do not approach containers suspected to be hot. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire.
Fire / explosion hazard:	Non-combustible. Not considered a significant fire risk, however containers may burn.

SECTION 6: ACCIDENTAL RELEASE MEASURES	
6.1 Personal precautions, protective equipment and emergency procedures	
For information on protective equipment, see section 8	
6.2 Environmental Precautions	
See section 12	
6.3 Methods and material for containment and cleaning up	
Spills are unlikely due to the nature of the product and how it is packaged	
Minor Spills:	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.
Major Spills:	Clear area of personnel and move upwind. Alert Fire Brigade and tell them location and nature of the hazard. Control personal contact with the substance, by using protective equipment. Prevent, by any means Available, spillage from entering drains, sewers or water courses.



SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Safe Handling:	Limit all unnecessary personal contact. Wear protective clothing when risk of exposure occurs. Use in well-ventilated area. Avoid contact with incompatible materials.
Other Information:	Store in original containers. Keep containers securely sealed. Store in cool, dry, well ventilated area. DO NOT allow to freeze (store between 2 and 8°C).

7.2 Conditions for safe storage, including any incompatibilities

Suitable Container:	Check that containers are clearly labelled. Packaging as recommended by manufacturer.
Storage incompatibility:	Avoid contamination of water, foodstuffs, feed or seed.

7.3 Specific end uses

See section 12.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

DERIVED NO EFFECT LEVEL – DNEL (EU)

Not Available

PREDICTED NO EFFECT LEVEL – PNEC (EU)

Not Available


OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA

Not Available

EMERGENCY LIMITS (EU/US):

Ingredient	Material Name	TEEL-1	TEEL-2	TEEL-3
HY-50 VET 17mg/ml for Injection	Not Available	Not Available	Not Available	Not Available

8.2 Exposure controls	
Appropriate engineering controls:	<p>Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.</p> <p>The basic types of engineering controls are:</p> <p>Process control which involve changing the way a job activity or process is done to reduce the risk.</p> <p>Enclosure and/or isolation of emission source which keeps a selected hazard “physically” away from the worker and ventilation that strategically “adds” and “removes” air in the work environment.</p>
Personal protection:	
Eye and face protection:	<p>Safety glasses with side shields / chemical goggles</p> <p>A written policy document describing the wearing of contact lenses or restrictions on use, should be created for each workplace or task.</p>
Skin protection:	See hand protection below
Hands/ feet protection:	<p>Wear general protective gloves, e.g. light weight rubber gloves.</p> <p>Personal hygiene is a key element of effective hand care.</p>
Body protection:	See Other protection below
Other protection:	<p>No special equipment needed when handling small quantities.</p> <p>OTHERWISE:</p> <ul style="list-style-type: none"> 🕒 Overalls 🕒 Barrier Cream 🕒 Eyewash unit
Thermal hazards:	Not Available
Respiratory protection:	Not Available
8.3 Environmental exposure controls	
See Section 12	



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance:	HY-50 VET: Clear colourless viscous liquid; mixes with water.	
Container:	Solution is pre-loaded into 3ml single-dose glass syringes.	
Physical state:	Liquid	
Odour:	Not Available	
Odour Threshold:	Not Available	
pH (as supplied):	Not Available	
Melting point / freezing point (degrees C):	Not Available	
Initial boiling point and boiling range:	Not Available	
Flash Point:	In water – no flash point	
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):	Miscible	
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:	Not Available	
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:	See section 7.
10.5 Incompatible materials:	See section 7.



10.6 Hazardous decomposition:	See Section 5.
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SECTION 11: TOXICOLOGICAL INFORMATION

Inhalation:	The material is not thought to produce adverse health effects or irritation of the respiratory tract (as classified by EC Directives using animal models). Nonetheless, good hygiene practice requires that exposure be kept to a minimum and that suitable control measures be used in an occupational setting.	
Ingestion:	This material has NOT 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.	
Skin contact:	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.	
Eye contact:	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).	
Chronic:	Long-term exposure to the product is not thought to produce chronic effects adverse to the health (as classified by EX Directives using animal models); nevertheless exposure by all routes should be minimised as a matter of course.	
Self-injection:	Not Available	
Sodium hyaluronate:	Toxicity Not Available	Irritation Not Available

Skin corrosion/irritation:
Not Available
Serious eye damage/irritation:
Not Available
Respiratory or skin sensitisation:
Not Available
Germ cell mutagenicity:
Not Available
Carcinogenicity:
Not Available



Reproductive toxicity:
Not Available
STOT – single exposure:
Not Available
STOT–repeated exposure:
Not Available
Aspiration hazard:
Not Available

SECTION 12: ECOLOGICAL INFORMATION					
12.1 Toxicity					
Ingredient	Endpoint	Test duration (hr)	Species	Value	Source
HY-50 VET 17mg/ml Solution for Injection	Not Available	Not Available	Not Available	Not Available	Not Available
DO NOT discharge into sewer or waterways.					
12.2 Persistence and degradability					
Ingredient	Persistence: Water/Soil		Persistence: Air		
	No Data Available for all ingredients		No Data Available for all ingredients		
12.3 Bioaccumulative potential					
Ingredient	Bioaccumulative Potential				
	No Data Available for all ingredients				
12.4 Mobility in Soil					
Ingredient	Mobility				
	No Data Available for all ingredients				
12.5 Results of PBT and vPvB assessment					
Not Available					
12.6 Other adverse effects					
Not Available					



SECTION 13: DISPOSAL CONSIDERATIONS	
13.1 Waste treatment methods	
Product / packaging disposal:	<ul style="list-style-type: none"> ⌚ DO NOT allow wash water from cleaning or process equipment to enter drains. ⌚ It may be necessary to collect all wash water for treatment before disposal. ⌚ In all cases disposal to sewer may be subject to local laws and regulations and these should be considered first. ⌚ Where in doubt contact the responsible authority. ⌚ Recycle wherever possible ⌚ Consult manufacturer for recycling options or consult local or regional waste management authority for disposal if no suitable treatment or disposal facility can be identified. ⌚ Dispose of by: burial in a land-fill specifically licensed to accept chemical and/or pharmaceutical wastes or incineration in a licenced apparatus (after admixture with suitable combustible material). ⌚ Decontaminate empty containers.
Waste Treatment Options:	Not Available
Sewage Disposal Options:	Not Available



SECTION 14: TRANSPORT INFORMATION		
Labels required:		
Marine pollutant:	NO	
Hazchem:	Not Applicable	
Land transport (EU: ADR / US: DOT): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS		
14.1 UN Number	N/a	
14.2 UN Proper Shipping Name	N/a	
14.3 Transport hazard class(es)	Class	N/a
	Sub risk	N/a
14.4 Packing group	N/a	
14.5 Environmental hazards	N/a	
14.6 Special precautions for user	Special provisions	N/a
	Limited quantity	N/a
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	N/a	
Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS		
14.1 UN Number	N/a	
14.2 UN Proper Shipping Name	N/a	
14.3 Transport hazard class(es)	ICAO/IATA Class	N/a
	ICAO / IATA Sub risk	N/a
	ERG Code	N/a
14.4 Packing group	N/a	
14.5 Environmental hazards	N/a	
14.6 Special precautions for user	Special provisions	N/a
	Cargo only packing instructions	N/a



	Cargo only maximum qty/pack	N/a
	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
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	N/a	
Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS		
14.1 UN Number	N/a	
14.2 UN Proper Shipping Name	N/a	
14.3 Transport hazard class(es)	IMDG Class	N/a
	IMDG Sub risk	N/a
14.4 Packing group	N/a	
14.5 Environmental hazards	N/a	
14.6 Special precautions for user	EMS Number	N/a
	Special provisions	N/a
	Limited quantities	N/a
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	N/a	
Inland waterways transport (ADN): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS		



14.1 UN Number	N/a	
14.2 UN Proper Shipping Name	N/a	
14.3 Transport hazard class(es)	N/a	N/a
14.4 Packing group	N/a	
14.5 Environmental hazard	N/a	
14.6 Special precautions for user	Classification Code	N/a
	Special provisions	N/a
	Limited quantity	N/a
	Equipment required	N/a
	Fire cones number	N/a
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	N/a	

SECTION 15: REGULATORY INFORMATION

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

HY-50 VET 17mg/ml Solution for Injection

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

This safety data sheet is in compliance with the following EU legislation and its adaptations - as far as Applicable: 98/24/EC, 92/85/EC, 94/33/EC, 91/689/EEC, 1999/13/EC, Commission Regulation (EU) 2015/830, Regulation (EC) No 1272/2008 and their amendments.



15.2 Chemical Safety Assessment

For further information please look at the Chemical Safety Assessment and Exposure Scenarios prepared by your Supply Chain if Available.

ECHA SUMMARY Not Applicable

National Inventory	Status
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
Legend:	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)



SECTION 16: OTHER INFORMATION

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

Full text Risk and Hazard codes: Not Applicable

Other Information

Classification of the preparations 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.

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. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or Available engineering controls must be considered.

For detailed advice on Personal Protective Equipment, refer to the following EU CEN Standards:

- EN 166 Personal eye-protection
- EN 340 Protective clothing
- EN 374 Protective gloves against chemicals and micro-organisms
- EN 13832 Footwear protecting against chemicals
- EN 133 Respiratory protective devices

Definitions and abbreviations

- PC— TWA: Permissible Concentration-Time Weighted Average
- PC— STEL: Permissible Concentration-Short Term Exposure Limit
- IARC: International Agency for Research on Cancer
- ACGIH: American Conference of Governmental Industrial Hygienists
- STEL: Short Term Exposure Limit
- TEEL: Temporary Emergency Exposure Limit
- IDLH: Immediately Dangerous to Life or Health Concentrations
- OSF: Odour Safety Factor
- NOAEL: No Observed Adverse Effect Level
- LOAEL: Lowest Observed Adverse Effect Level
- TLV: Threshold Limit Value
- BCF: BioConcentration Factors
- BEI: Biological Exposure Index



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