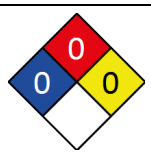
SAFETY DATA SHEETS

This SDS packet was issued with item:

078908981

N/A

SECTION 1: IDENTIFICATION	
1.1 Product identifier	
Product name:	Phycox® MAX EQ Joint Supplement Granules
Synonyms:	None
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:	Joint Supplement for Equine
Uses advised against:	Not for human use.
1.3 Details of the supplier of the substance or mixture	
Registered company name (UK):	Dechra Veterinary Products
Address:	Dechra Veterinary Products 7015 College Blvd. Suite 525 Overland Park KS 66211 US
Telephone:	866-933-2472
Website:	www.dechra-us.com
Email:	Not available
1.4 Emergency Telephone Numbers	
Dechra (US):	866-933-2472

SECTION 2: HAZARDS IDENTIFICATION	
2.1 Classification of the substance or mixture	
2.2 Label Elements	
GHS Label Elements:	 NFPA 704 diamond
Signal Word:	None

Hazard pictogram(s): Not applicable	
Hazard statement(s): Not applicable	
Precautionary Statement(s) Prevention:	
	Not applicable
Precautionary Statement(s) Response:	
	Not applicable
Precautionary Statement(s) Storage:	
	Not applicable
Precautionary Statement(s) Disposal:	
	P501 – Dispose of contents/ container in accordance with local regulations
2.3 Other Hazard Information Not applicable	

SECTION 3: INFORMATION ON THE INGREDIENTS

3.1 Substances

See section below for composition of mixtures

3.2 Mixtures

CAS No	Per 45 g (1.5 scoops)	Name
8001-26-1	4104 mg	Flaxseed Oil (55% Alpha Linolenic Acid)
66-84-2	3615 mg	Glucosamine HCl (Shellfish)
67-71-0	3208 mg	Methylsulfonlymethane (MSM)
57-00-1	2000 mg	Creatine Monohydrate
Not applicable	1294 mg	Proprietary blend of Calcium Phosphate, Manganese Sulfate, Zinc Sulfate, Ascorbic Acid (Vitamin C), Citrus Bioflavonoids, Alpha Lipoic Acid and Grape Seed Extract
11016-15-2	721 mg	Phycocyanin
Not available	400 mg	Gymnema Sylvestre
84775-52-0	400 mg	Turmeric
91770-88-6	80 mg	Cranberry Extract
10417-94-4	66 mg	Eicosapentaenoic Acid (EPA)

6127-54-5	58 mg	Docosahexaenoic Acid (DHA)
303-98-0	40 mg	CoQ10
14639-25-9	805 mcg	Chromium Picolinate
7440-42-8	335 mcg	Boron
7782-49-2	53 mcg	Selenium
58-95-7	202 IU	Alpha Tocopheryl Acetate
Not applicable	Not indicated	Inactive ingredients: Marine Lipid Concentrates, Natural Apple Flavor, Natural Molasses Flavor, Propylene Glycol. Silica, Sucrose

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact:	Accidental spillage on the eyes should be washed off with plenty of water. If pain or irritation occurs, seek medical advice and show the package leaflet or the label to the medical practitioner.
Skin contact:	Accidental spillage on the skin should be washed off with plenty of water. If irritation occurs, seek medical advice and show the package leaflet or the label to the medical practitioner.
Inhalation:	Inhalation is highly unlikely due to the nature of the product and how it is packaged and administered. If irritation or difficulty in breathing occurs, seek urgent medical advice and show the package leaflet or the label to the medical practitioner. Remove the patient from the contaminated area. Lay the patient down, keep warm and rested.
Ingestion:	Ingestion is highly unlikely due to the nature of the product and how it is packaged and administered. If swallowed, do not induce vomiting, seek medical advice and show the package leaflet or the label to the medical practitioner. Remove material and give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.

4.2 Most important symptoms and effects, both acute and delayed

Eye contact:	Not expected to cause any effects.
Skin contact:	Not expected to cause any effects.
Ingestion:	May cause discomfort if ingested in large quantities

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:	Avoid contamination with oxidising agents.
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. Equipment should be thoroughly decontaminated after use.
Fire / explosion hazard:	Combustible. Slight fire hazard when exposed to heart or flame. On combustion, may emit toxic fumes of carbon monoxide.

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. Place in a suitable, labelled container for waste disposal.
Major Spills:	Clear area of personnel and move upwind. Alert Fire Brigade and tell them location and nature of the hazard. Contain and absorb spill with sand, earth, inert material or vermiculite. Prevent, by any means available, spillage from entering drains or water course.

SECTION 7: HANDLING AND STORAGE	
7.1 Precautions for safe handling	
Safe Handling:	Wear suitable protection gloves and clothing when handling the product. Always wash hands with water after handling. Observe manufacturer's storage and handling recommendations.
Other Information:	Store at controlled room temperature 20-25^{0}C (68-75^{0}F) Do not freeze. Keep out of the reach and sight of children.
7.2 Conditions for safe storage, including any incompatibilities	
Suitable Container:	Light resistance bottle
Storage incompatibility:	No known incompatibilities.
7.3 Specific end uses	
Not available	

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION				
8.1 Control parameters				
OCCUPATIONAL EXPOSURE LIMITS (OEL)				
INGREDIENT DATA				
Not Available				
EMERGENCY LIMITS (EU/US):				
Ingredient	**Material Name**	**TEEL-1**	**TEEL-2**	**TEEL-3**
Methylsulfonlymethane	Dimethyl sulfone	15 mg/m3	170 mg/m3	990 mg/m3
Boron	Boron	1.9 mg/m3	21 mg/m3	130 mg/m3
Selenium	Selenium	0.6 mg/m3	6.6 mg/m3	40 mg/m3

Ingredient	Original IDLH	Revised IDLH
Flaxseed Oil (55% Alpha Linolenic Acid)	Not available	Not available
Glucosamine HCl (Shellfish)	Not available	Not available
Methylsulfonlymethane (MSM)	Not available	Not available

Creatine Monohydrate	Not available	Not available
Phycocyanin	Not available	Not available
Gymnema Sylvestre	Not available	Not available
Turmeric	Not available	Not available
Cranberry Extract	Not available	Not available
Eicosapentaenoic Acid (EPA)	Not available	Not available
Docosahexaenoic Acid (DHA)	Not available	Not available
CoQ10	Not available	Not available
Chromium Picolinate	Not available	Not available
Boron	4 mg/m3	Not available
Selenium	Not available	Not available
Alpha Tocopheryl Acetate	Not available	Not available

8.2 Exposure controls	
Appropriate engineering controls:	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.
Personal protection:	
Eye and face protection:	Safety glasses with side shields / chemical goggles
Skin protection:	See hand protection below
Hands/ feet protection:	No special equipment needed when handling small quantities. OTHERWISE: Wear chemical protective gloves
Body protection:	Wear appropriate clothing
Other protection:	No special equipment needed when handling small quantities
Thermal hazards:	Not applicable
Respiratory protection:	Not applicable
8.3 Environmental exposure controls See Section 12	

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: Characteristic yellow-green granulation
Container: Light resistant bottle
Physical state: Granules
Odor: Sweet apple and molasses aroma
Melting point / freezing point (degrees C): Not applicable
Initial boiling point and boiling range: Not applicable
Flash Point: Not applicable
Evaporation rate Not applicable
Flammability: Not available
Upper/lower flammability or explosive limits: Not available
Vapor pressure: Not applicable
Specific Gravity: Not available
Solubility in water and solvents (mg/l): Not available
Auto ignition temperature (degrees C): Not available
Decomposition temperature (degrees C): Not available
Viscosity: (degrees C): Not available
Explosive properties: Not available
Oxidizing properties: Not available
Partition Coefficient: Not available
Taste: Not applicable
Surface tension: Not available
Volatile component: Not available
Gas group: Not applicable
pH: Not applicable
VOC g/L: Not applicable

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:	The product is not considered to be hazardous if used as per instructions. Hazardous polymerisation will not occur.
10.4 Conditions to avoid:	Protect from light.
10.5 Incompatible materials:	See section 7.
10.6 Hazardous decomposition:	See Section 5.

SECTION 11: TOXICOLOGICAL INFORMATION		
Inhalation:	Not relevant studies identified. Possible dust may cause irritation.	
Ingestion:	Not relevant studies identified. Due to apple and molasses in the product, some people may have allergies. Possible sneezing and skin rash may develop.	
Skin contact:	Not relevant studies identified.	
Eye contact:	Not relevant studies identified.	
Chronic:	Not relevant studies identified.	
Phycox® MAX EQ Joint Supplement Granules:	**Toxicity**	**Irritation**
	Not available	Not available

Flaxseed Oil (55% Alpha Linolenic Acid)	**Toxicity**	**Irritation**
	Oral (rat) LD50: >2000 mg/kg[2]	Not available
Glucosamine HCl (Shellfish)	**Acute toxicity**	**Irritation**
	Oral (mouse) LD50: 15000 mg/kg[2]	Not Available
Methylsulfonlymethane (MSM)	**Acute toxicity**	**Irritation**
	Dermal (rabbit) LD50: >5000 mg/kg[2] Oral (rat) LD50: >5000 mg/kg[2]	Eye & Skin: no adverse effect observed (not irritating)[1]
Creatine Monohydrate	**Acute toxicity**	**Irritation**
	Not Available	Not Available
Phycocyanin	**Acute toxicity**	**Irritation**
	Not Available	Not Available
Gymnema Sylvestre	**Acute toxicity**	**Irritation**
	Not Available	Not Available

Turmeric	**Acute toxicity**	**Irritation**
	Dermal (rabbit) LD50: >5000 mg/kg[2] Oral (rat) LD50: >5000 mg/kg[2]	Not Available
Cranberry Extract	**Acute toxicity**	**Irritation**
	Not Available	Not Available
Eicosapentaenoic Acid (EPA)	**Acute toxicity**	**Irritation**
	Not Available	Not Available
Docosahexaenoic Acid (DHA)	**Acute toxicity**	**Irritation**
	Not Available	Not Available
CoQ10	**Acute toxicity**	**Irritation**
	Oral (rat) LD50: >4000 mg/kg[2]	Not Available
Chromium Picolinate	**Acute toxicity**	**Irritation**
	>2500 mg/kg[1]	Not Available
Boron	**Acute toxicity**	**Irritation**
	Oral (rat) LD50: 650 mg/kg[2]	Not Available
Selenium	**Acute toxicity**	**Irritation**
	Oral (rat) LD50: 6700 mg/kg[2]	Eye & Skin: no adverse effect observed (not irritating)[1]
Alpha Tocopheryl Acetate	**Acute toxicity**	**Irritation**
	Oral (rat) LD50: >16000 mg/kg[2]	Eye & Skin (rabbit): non-irrittating[1]
1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2. Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances*		

Skin corrosion/irritation:
Not expected to cause skin corrosion/ irritation.
Serious eye damage/irritation:
Not expected to cause eye damage/ irritation
Respiratory or skin sensitization:
May cause sensitization due to apple and molasses in product
Germ cell mutagenicity:
Not expected to be mutagenic
Carcinogenicity:
Not expected to be carcinogenic.
Reproductive toxicity:
Not expected to cause reproductive effects
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
Phycox® MAX EQ Joint Supplement Granules	Not available	Not available	Not available	Not available	Not available
Flaxseed Oil (55% Alpha Linolenic Acid)	LC50 EC50 EC50 NOEC	96 48 72 48	Fish Crustacea Algae or other aquatic plants Crustacea	>1 mg/L >0.8 mg/L >0.4-0.6 mg/L 0.8 mg/L	2 2 2 2
Glucosamine HCl (Shellfish)	LC50 EC50	96 96	Fish Algae or other aquatic plants	1357.675 mg/L 3476.127 mg/L	3 3

Methylsulfonlymethane (MSM)	LC50 EC50 EC50	96 48 96	Fish Crustacea Algae or other aquatic plants	41-700 mg/L >100 mg/L 4-616.57 mg/L	2 2 2
Creatine Monohydrate	LC50 EC50 EC50 NOEC	96 48 96 96	Fish Crustacea Algae or other aquatic plants Fish	>84.6 mg/L >1 mg/L 15282.684 mg/L >84.6 mg/L	2 2 3 2
Phycocyanin	Not available	Not available	Not available	Not available	Not available
Gymnema Sylvestre	Not available	Not available	Not available	Not available	Not available
Turmeric	Not available	Not available	Not available	Not available	Not available
Cranberry Extract	Not available	Not available	Not available	Not available	Not available
Eicosapentaenoic Acid (EPA)	Not available	Not available	Not available	Not available	Not available
Docosahexaenoic Acid (DHA)	Not available	Not available	Not available	Not available	Not available
CoQ10	LC50	96	Fish	0.000969 mg/L	3
Chromium Picolinate	Not available	Not available	Not available	Not available	Not available
Boron	LC50 EC50 EC50 BCF NOEC	96 48 96 336 576	Fish Crustacea Algae or other aquatic plants Algae or other aquatic plants Fish	74 mg/L 230 mg/L 15.4 mg/L 8.5 mg/L 0.001 mg/L	2 5 2 4 5
Selenium	LC50 EC50 EC50 BCF NOEC	96 48 72 504 72	Fish Crustacea Algae or other aquatic plants Crustacea Algae or other aquatic plants	0.002-0.06 mg/L 0.001-0.969 mg/L >0.00173 mg/L 0.711 mg/L 0.000547 mg/L	2 2 2 4 2

Alpha Tocopheryl Acetate	Not available	Not available	Not available	Not available	Not available
Legend	*Extracted from 1. IUCLID Toxicity Data 2. Europe ECHA Registered Substances - Ecotoxicological Information - Aquatic Toxicity 3. EPIWIN Suite V3.12 (QSAR) - Aquatic Toxicity Data (Estimated) 4. US EPA, Ecotox database - Aquatic Toxicity Data 5. ECETOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data*				

12.2 Persistence and degradability

Ingredient	**Persistence: Water/Soil**	**Persistence: Air**
Glucosamine HCl (Shellfish)	LOW	LOW
Methylsulfonlymethane (MSM)	HIGH	HIGH
Creatine monohydrate	LOW	LOW
Eicosapentaenoic Acid (EPA)	HIGH	HIGH
Docosahexaenoic Acid (DHA)	HIGH	HIGH
CoQ10	HIGH	HIGH

12.3 Bioaccumulative potential

Ingredient	**Bioaccumulation**
Glucosamine HCl (Shellfish)	LOW (LogKOW = -4.2305)
Methylsulfonlymethane (MSM)	LOW (LogKOW = -1.41)
Creatine monohydrate	LOW (LogKOW = -3.7217)
Eicosapentaenoic Acid (EPA)	LOW (LogKOW = 7.8516)
Docosahexaenoic Acid (DHA)	LOW (LogKOW = 8.6188)
CoQ10	LOW (LogKOW = 23.3988)

12.4 Mobility in Soil

Ingredient	**Mobility**
Glucosamine HCl (Shellfish)	LOW (KOC = 10)
Methylsulfonlymethane (MSM)	LOW (KOC = 4.926)
Creatine monohydrate	MEDIUM (KOC = 3.325)

Eicosapentaenoic Acid (EPA)	LOW (KOC =39700)
Docosahexaenoic Acid (DHA)	LOW (KOC = 135100)
CoQ10	LOW (KOC = 10000000000)
12.5 Results of PBT and vPvB assessment Not Applicable	
12.6 Other adverse effects Not Available	

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product / packaging disposal:	Any unused veterinary medicinal product or waste material derived from such veterinary medicinal products should be disposed of in accordance with national requirements. Legislation addressing waste disposal requirements may differ by country, state and/or territory. Each user must refer to laws operating in their area. Recycle wherever possible or consult manufacturer for recycling options. Consult State Land Waste Management Authority for disposal. Bury residue in an authorised landfill. Recycle containers if possible, or dispose of in an authorised landfill. Shelf life considerations should also be applied in making decisions of this type. Note that properties of a material may change in use, and recycling or reuse may not always be appropriate. Where in doubt contact the responsible authority. Ensure that the disposal of material is carried out in accordance with Hazardous Substances (Disposal) Regulations 2001.
Waste Treatment Options:	Not Available
Sewage Disposal Options:	Not Available

SECTION 14: TRANSPORT INFORMATION	
Labels required:	
Marine pollutant:	NO
Hazchem:	Not Applicable
Land transport (US: DOT): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS	
Air transport (ICAO-IATA / DGR): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS	
Sea transport (IMDG-Code / GGVSee): NOT REGULATED FOR TRANSPORT OF DANGEROUS GOODS	
Transport in bulk according to Annex II of MARPOL and the IBC code: Not applicable	

SECTION 15: REGULATORY INFORMATION

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

Flaxseed oil (8001-26-1)
GESAMP/ EHS Composite list
IMO IBC Code Chapter 17 & Chapter 18
IMO MARPOL (Annex II)
US DOT / US TSCA

Glucosamine HCL (66-84-2)
US TSCA

Methylsulfonylmethane (67-71-0)
US DOE / US TSCA

Creatine monohydrate (57-00-1)
US TSCA

Phycocyanin (11016-15-2)
Not applicable

Gymnema sylvestre
Not applicable

Turmeric extract (84775-52-0)
US TSCA

Cranberry extract (91770-88-6)
Not applicable

Eicosapentaenoic acid (EPA) (10417-94-4)
IATA / IMDG Code / US DOT / US USPS

Docosahexaenoic acid (6127-54-5)
Not applicable

CoQ10 (303-98-0)
US TSCA

Chromium picolinate (14639-25-9)
US CWA / US CAA / US EPCRA Section 313

Boron (7440-42-8)
US ACGIH / US ATSDR / US DOE / US EPA / US EPCRA / US NIOSH / US OSHA
US USPS / US DOT / US TSCA / US IATA / IMDG Code

Selenium (7782-49-2)
IARC / IATA / IMDG Code
US ACGIH / US ATSDRA / US CAA / US CWA / US DOT / US DOE / US TSCA / US IATA / US EPA / US EPCRA / US NIOSH / US USPS

Alpha-tocopherol acetate
US TSCA

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.

FEDERAL REGULATIONS:	
Superfund Amendments and Reauthorization Act of 1986 (SARA)	
Section 311/312 Hazard Categories	
Immediate (acute) health hazard	NO
Delayed (chronic) health hazard	NO
Fire hazard	NO
Pressure hazard	NO
Reactivity hazard	NO
US. EPA Cercla Hazardous Substances and Reportable Quantities (40 CFR 302.4) None reported	
STATE REGULATIONS:	
US. CALIFORNIA PROPOSITION 65 None reported	
15.2 Chemical Safety Assessment	

National Inventory	**Status**
Australia - AICS	No (eicosapentaenoic acid, chromium picolinate, CoQ10, docosahexaenoic acid)
Canada - DSL	No (eicosapentaenoic acid, chromium picolinate, CoQ10, docosahexaenoic acid)
Canada - NDSL	No (alpha-tocopherol acetate, eicosapentaenoic acid, creatine monohydrate, chromium picolinate, boron, turmeric, selenium, CoQ10, cranberry extract, docosahexaenoic acid, phycocyanin)
China - IECSC	No (chromium picolinate, cranberry extract, phycocyanin)
Europe - EINEC / ELINCS / NLP	No (eicosapentaenoic acid, docosahexaenoic acid)
Japan - ENCS	No (eicosapentaenoic acid, chromium picolinate, boron, turmeric, selenium, CoQ10, cranberry extract, docosahexaenoic acid, phycocyanin)
Korea - KECI	No (eicosapentaenoic acid, chromium picolinate, glucosamine hydrochloride, cranberry extract, docosahexaenoic acid, phycocyanin)
New Zealand - NZIoC	No (cranberry extract, phycocyanin)
Philippines - PICCS	No (eicosapentaenoic acid, glucosamine hydrochloride, chromium picolinate, cranberry extract, docosahexaenoic acid, phycocyanin)

USA - TSCA	No (eicosapentaenoic acid, chromium picolinate, cranberry extract, docosahexaenoic acid, phycocyanin)
Legend:	*Yes = All ingredients are on the inventory* *No = 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 GHS and OSHA.

Definitions and abbreviations
PC—TWA: Permissible Concentration-Time Weighted Average
PC—STEL: Permissible Concentration-Short Term Exposure Limit
STEL: Short Term Exposure Limit
TEEL: Temporary Emergency Exposure Limit
IDLH: Immediately Dangerous to Life or Health Concentrations

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