




SECTION 1: IDENTIFICATION

1.1 Product identifier	
Product name:	Phycox® Canine Granules Canine Joint Supplement
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:	Canine joint supplement formulated for dogs of all ages
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:	 <p>NFPA 704 diamond</p>
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	Active ingredients per 1 scoop (mg)	Name
66-84-2	450	Glucosamine HCl (Shellfish)
8001-26-1	400	Flaxseed Oil (55% Alpha Linolenic Acid)
67-71-0	400	Methylsulfonylmethane (MSM)
57-00-1	250	Creatine Monohydrate
Not applicable	160	Proprietary blend of Calcium Phosphate, Manganese Sulfate, Zinc Sulfate, Ascorbic Acid (Vitamin C), Citrus Bioflavonoids, Alpha Lipoic Acid and Grape Seed Extract
84775-52-0	50	Turmeric
11016-15-2	30	Phycocyanin
10417-94-4	8	Eicosapentaenoic Acid (EPA)
6127-54-5	7	Docosahexaenoic Acid (DHA)
7440-42-8	42 mcg	Boron



7782-49-2	7 mcg	Selenium
58-95-7	25 IU	Alpha Tocopheryl Acetate
Not applicable	Not indicated	Inactive ingredients: Marine Lipid Concentrates, Hydrolyzed Soy Protein, Natural Liver Flavor, Molasses Flavor, Propylene Glycol, Silica, Sucrose, Whey

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 heat 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°C (68-75°F) Do not freeze. Keep out of the reach and sight of children.
7.2 Conditions for safe storage, including any incompatibilities	
Suitable Container:	White opaque 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
Methylsulfonolymethane	Dimethyl sulfone	15 mg/m ³	170 mg/m ³	990 mg/m ³
Propylene glycol	Propylene glycol	30 mg/m ³	330 mg/m ³	2000 mg/m ³
Boron	Boron	1.9 mg/m ³	21 mg/m ³	130 mg/m ³
Selenium	Selenium	0.6 mg/m ³	6.6 mg/m ³	40 mg/m ³
Ingredient	Original IDLH		Revised IDLH	
Glucosamine HCl (Shellfish)	Not available		Not available	
Flaxseed Oil (55% Alpha Linolenic Acid)	Not available		Not available	

Methylsulfonylmethane (MSM)	Not available	Not available
Creatine Monohydrate	Not available	Not available
Phycocyanin	Not available	Not available
Propylene glycol	Not available	Not available
Turmeric	Not available	Not available
Sucrose	Not available	Not available
Eicosapentaenoic Acid (EPA)	Not available	Not available
Docosahexaenoic Acid (DHA)	Not available	Not available
Whey	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: Medium brown color
Container: White opaque bottle
Physical state: Granules
Odor: Mild molasses
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): Partially miscible in water
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.	
Skin contact:	Not relevant studies identified.	
Eye contact:	Not relevant studies identified.	
Chronic:	Not relevant studies identified.	
Phycos® Canine Granules Joint Supplement:	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
Methylsulfonylmethane (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
Propylene glycol	Acute toxicity	Irritation
	Dermal (rabbit) LD50: 11890 mg/kg ² Inhalation (rat) LC50: >44.9 mg/l/4h ² Oral (rat) LD50: 20000 mg/kg ²	Eye (rabbit): 100mg – mild Eye (rabbit): 500 mg/24h – mild Eye: not irritating ¹ Skin (human): 104 mg/3d intermit mod Skin (human): 500 mg/7 days mild Skin not irritating ¹
Eicosapentaenoic Acid (EPA)	Acute toxicity	Irritation
	Not Available	Not Available
Docosahexaenoic Acid (DHA)	Acute toxicity	Irritation
	Not Available	Not Available
Sucrose	Acute toxicity	Irritation
	Oral (rat) LD50: 29700 mg/kg ²	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-irritating 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
Phycos® MAX EQ Joint Supplement Granules	Not available	Not available	Not available	Not available	Not available
Flaxseed Oil (55% Alpha Linolenic Acid)	LC50	96	Fish	>1 mg/L	2
	EC50	48	Crustacea	>0.8 mg/L	2
	EC50	72	Algae or other aquatic plants	>0.4-0.6 mg/L	2
	NOEC	48	Crustacea	0.8 mg/L	2
Glucosamine HCl (Shellfish)	LC50	96	Fish	1357.675 mg/L	3
	EC50	96	Algae or other aquatic plants	3476.127 mg/L	3

Safety Data Sheet

Product Name: Phycox® Canine Granules Canine Joint Supplement

Issue Date: 05/2019

Version No: 1

Page 11 of 17



Methylsulfonylmethane (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
Turmeric	Not available	Not available	Not available	Not available	Not available
Propylene glycol	LC50 EC50 EC50 NOEC	96 48 96 168	Fish Crustacea Algae or other aquatic plants Fish	>10 mg/l 43-500 mg/l 19 mg/l 11-530 mg/l	2 2 2 2
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
Sucrose	LC50 EC50	96 96	Fish Algae or other aquatic plants	2200000 mg/l 60200000 mg/l	3 3
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	<i>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. ECECOC Aquatic Hazard Assessment Data 6. NITE (Japan) - Bioconcentration Data 7. METI (Japan) - Bioconcentration Data 8. Vendor Data</i>
---------------	--

12.2 Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air
Glucosamine HCl (Shellfish)	LOW	LOW
Methylsulfonylmethane (MSM)	HIGH	HIGH
Creatine monohydrate	LOW	LOW
Eicosapentaenoic Acid (EPA)	HIGH	HIGH
Docosahexaenoic Acid (DHA)	HIGH	HIGH
Propylene glycol	LOW	LOW
Sucrose	LOW	LOW

12.3 Bioaccumulative potential

Ingredient	Bioaccumulation
Glucosamine HCl (Shellfish)	LOW (LogKOW = -4.2305)
Methylsulfonylmethane (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)
Propylene glycol	LOW (BCF = 1)
Sucrose	LOW (LogKOW = -3.7)

12.4 Mobility in Soil

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



Eicosapentaenoic Acid (EPA)	LOW (KOC =39700)
Docosahexaenoic Acid (DHA)	LOW (KOC = 135100)
Propylene glycol	HIGH (KOC = 1)
Sucrose	LOW (KOC = 10)
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:	<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>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.</p> <p>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.</p> <p>Ensure that the disposal of material is carried out in accordance with Hazardous Substances (Disposal) Regulations 2001.</p>
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

<p>Flaxseed oil (8001-26-1) GESAMP/ EHS Composite list IMO IBC Code Chapter 17 & Chapter 18 IMO MARPOL (Annex II) US DOT / US TSCA</p> <p>Glucosamine HCL (66-84-2) US TSCA</p> <p>Methylsulfonylmethane (67-71-0) US DOE / US TSCA</p> <p>Creatine monohydrate (57-00-1) US TSCA</p> <p>Phycocyanin (11016-15-2) Not applicable</p> <p>Turmeric extract (84775-52-0) US TSCA</p> <p>Propylene glycol (57-55-6) GESAMP/EHS / IMO IBC Chapter 17 & 18 / IMO MARPOL / US AIHA / US ATSDR / US DOE / US DOT / US TSCA / US TERA</p>



Eicosapentaenoic acid (EPA) (10417-94-4)

IATA / IMDG Code / US DOT / US USPS

Docosahexaenoic acid (6127-54-5)

Not applicable

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-tocopheryl 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:	<i>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)</i>



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

The information provided in this Safety Data Sheet has been compiled by Dechra Limited using a number of different sources, and is correct to the best of its knowledge, information and belief as at the date of its publication. However, Dechra Limited makes no warranties, express or implied, in relation to the information set out in this Safety Data Sheet, including, without limitation, as to its accuracy or completeness.

The information provided is not a quality specification, and is prepared by way of guidance as to the safe handling, use, processing, storage, transportation, disposal and release of the relevant products referred to. The user is responsible for determining whether or not the product is fit for any particular purpose and/or suitable for the user's proposed method of use and application.

Copyright, 2019, Dechra Limited. All rights reserved.

Copying and/or downloading of this information for the purpose of properly utilizing Dechra Limited products is permitted provided that: (1) the information is copied in full with no changes unless prior written agreement is obtained from Dechra Limited, and (2) neither the copy nor the original is resold or otherwise distributed for the purposes of making a profit thereon.