

MEGAVITE-B PASTE ORAL B COMPLEX VITAMINS & AMINO ACIDS FOR HORSES Virbac (Australia) Pty Limited

Chemwatch: 6978586

Version No: 3.1.13.9 Safety Data Sheet according to WHS Regulations (Hazardous Chemicals) Amendment 2020 and ADG requirements Chemwatch Hazard Alert Code: 1 Issue Date: 11/01/2019 Print Date: 08/23/2021 L.GHS.AUS.EN

SECTION 1 Identification of the substance / mixture and of the company / undertaking

Product Identifier

Product name	MEGAVITE-B PASTE ORAL B COMPLEX VITAMINS & AMINO ACIDS FOR HORSES
Chemical Name	Not Applicable
Synonyms	APVMA No: 52549
Chemical formula	Not Applicable
Other means of identification	Not Available

Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses	Use according to manufacturer's directions.
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Details of the supplier of the safety data sheet

Registered company name	Virbac (Australia) Pty Limited
Address	361 Horsley Road Milperra NSW 2214 Australia
Telephone	1800 242 100
Fax	+61 2 9772 9773
Website	au.virbac.com
Email	au_customerservice@virbac.com.au

Emergency telephone number

Association / Organisation	Poisons Information Centre
Emergency telephone numbers	13 11 26
Other emergency telephone numbers	Not Available

SECTION 2 Hazards identification

Classification of the substance	e or mixture
Poisons Schedule	Not Applicable
Classification ^[1]	Not Applicable
Label elements	

Hazard pictogram(s)	Not Applicable
Signal word	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

Not Applicable

SECTION 3 Composition / information on ingredients

See section below for composition of Mixtures

Mixtures

CAS No	%[weight]	Name
56-81-5	>60	glycerol
Not Available	1-10	vitamins and minerals
8042-47-5	5-15	white mineral oil (petroleum)
Legend:	1. Classified by Chemwatch; 2. Classification Classification drawn from C&L * EU IOELVs	drawn from HCIS; 3. Classification drawn from Regulation (EU) No 1272/2008 - Annex VI; 4. available

SECTION 4 First aid measures

Description of first aid measures

Eye Contact	If this product comes in contact with eyes: Wash out immediately with water. If irritation continues, seek medical attention. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.
Skin Contact	If skin or hair contact occurs: ▶ Flush skin and hair with running water (and soap if available). ▶ Seek medical attention in event of irritation.
Inhalation	 If fumes, aerosols or combustion products are inhaled remove from contaminated area. Other measures are usually unnecessary.
Ingestion	 Immediately give a glass of water. First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5 Firefighting measures

Extinguishing media

- Water spray or fog.
- Foam.
- Dry chemical powder.
- BCF (where regulations permit).
- Carbon dioxide.

Special hazards arising from the substrate or mixture

Fire Incompatibility	Avoid contamination with oxidising agents i.e. nitrates, oxidising acids, chlorine bleaches, pool chlorine etc. as ignition may result
Advice for firefighters	
Fire Fighting	 Alert Fire Brigade and tell them location and nature of hazard. Wear breathing apparatus plus protective gloves. Prevent, by any means available, spillage from entering drains or water courses. 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. Heating may cause expansion or decomposition leading to violent rupture of containers. On combustion, may emit toxic fumes of carbon monoxide (CO). May emit acrid smoke. Mists containing combustible materials may be explosive. Combustion products include: carbon monoxide (CO) carbon dioxide (CO2) acrolein other pyrolysis products typical of burning organic material.
HAZCHEM	Not Applicable

SECTION 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

See section 8

Environmental precautions

See section 12

Methods and material for containment and cleaning up

	Slippery when spilt.
Minor Spills	Clean up all spills immediately.
-	Avoid contact with skin and eves.

	 Wear impervious gloves and safety goggles. Trowel up/scrape up. Place spilled material in clean, dry, sealed container. Flush spill area with water.
Major Spills	 Clear area of personnel and move upwind. Alert Fire Brigade and tell them location and nature of hazard. Control personal contact with the substance, by using protective equipment. Prevent spillage from entering drains, sewers or water courses. Recover product wherever possible. Put residues in labelled containers for disposal. If contamination of drains or waterways occurs, advise emergency services. Slippery when spilt.

Personal Protective Equipment advice is contained in Section 8 of the SDS.

SECTION 7 Handling and storage

Safe handling	 Limit all unnecessary personal contact. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area. Avoid contact with incompatible materials. When handling, DO NOT eat, drink or smoke. Keep containers securely sealed when not in use. Avoid physical damage to containers. Always wash hands with soap and water after handling. Work clothes should be laundered separately. Use good occupational work practice. Observe manufacturer's storage and handling recommendations contained within this SDS. Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions are maintained.
Other information	 Store in original containers. Keep containers securely sealed. No smoking, naked lights or ignition sources. Store in a cool, dry, well-ventilated area. Store away from incompatible materials and foodstuff containers. Protect containers against physical damage and check regularly for leaks. Observe manufacturer's storage and handling recommendations contained within this SDS.

Conditions for safe storage, including any incompatibilities

Suitable container	 Metal can or drum Packaging as recommended by manufacturer. Check all containers are clearly labelled and free from leaks.
Storage incompatibility	Avoid contamination of water, foodstuffs, feed or seed. Avoid reaction with oxidising agents

SECTION 8 Exposure controls / personal protection

Control parameters

Occupational Exposure Limits (OEL)

INGREDIENT DATA

Source	Ingredient	Material name	TWA	STEL	Peak	Notes
Australia Exposure Standards	glycerol	Glycerin mist	10 mg/m3	Not Available	Not Available	(a) This value is for inhalable dust containing no asbestos and < 1% crystalline silica.
Australia Exposure Standards	white mineral oil (petroleum)	Oil mist, refined mineral	5 mg/m3	Not Available	Not Available	Not Available

Emergency Limits				
Ingredient	TEEL-1	TEEL-2		TEEL-3
glycerol	45 mg/m3	180 mg/m3		1,100 mg/m3
white mineral oil (petroleum)	140 mg/m3	1,500 mg/m3		8,900 mg/m3
Ingredient	Original IDLH		Revised IDLH	
glycerol	Not Available		Not Available	
white mineral oil (petroleum)	2,500 mg/m3		Not Available	

MATERIAL DATA

Exposure controls

Appropriate engineering controls	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. The basic types of engineering controls are: Process controls which involve changing the way a job activity or process is done to reduce the risk. 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. Ventilation can remove or dilute an air contaminant if designed properly. The design of a ventilation system must match the particular process and chemical or contaminant in use. Employers may need to use multiple types of controls to prevent employee overexposure.

General exhaust is adequate under normal operating conditions. If risk of overexposure exists, wear SAA approved respirator. Correct fit is essential to obtain adequate protection. Provide adequate ventilation in warehouse or closed storage areas. Air contaminants generated in the workplace possess varying "escape" velocities which, in turn, determine the "capture velocities" of fresh circulating air required to effectively remove the contaminant

Type of Contaminant:	Air Speed:
solvent, vapours, degreasing etc., evaporating from tank (in still air)	0.25-0.5 m/s (50-100 f/min)
aerosols, fumes from pouring operations, intermittent container filling, low speed conveyer transfers, welding, spray drift, plating acid fumes, pickling (released at low velocity into zone of active generation)	0.5-1 m/s (100-200 f/min.)
direct spray, spray painting in shallow booths, drum filling, conveyer loading, crusher dusts, gas discharge (active generation into zone of rapid air motion)	1-2.5 m/s (200-500 f/min)
grinding, abrasive blasting, tumbling, high speed wheel generated dusts (released at high initial velocity into zone of very high rapid air motion).	2.5-10 m/s (500-2000 f/min.)

Within each range the appropriate value depends on:

Lower end of the range	Upper end of the range
1: Room air currents minimal or favourable to capture	1: Disturbing room air currents
2: Contaminants of low toxicity or of nuisance value only	2: Contaminants of high toxicity
3: Intermittent, low production.	3: High production, heavy use
4: Large hood or large air mass in motion	4: Small hood - local control only

Simple theory shows that air velocity falls rapidly with distance away from the opening of a simple extraction pipe. Velocity generally decreases with the square of distance from the extraction point (in simple cases). Therefore the air speed at the extraction point should be adjusted, accordingly, after reference to distance from the contaminating source. The air velocity at the extraction fan, for example, should be a minimum of 1-2 m/s (200-400 f/min.) for extraction of solvents generated in a tank 2 meters distant from the extraction point. Other mechanical considerations, producing performance deficits within the extraction apparatus, make it essential that theoretical air velocities are multiplied by factors of 10 or more when extraction systems are installed or used.



Safety glasses with side shields

Chemical goggles

Contact lenses may pose a special hazard; soft contact lenses may absorb and concentrate irritants. A written policy document, describing the wearing of lenses or restrictions on use, should be created for each workplace or task. This should include a review of lens absorption and adsorption for the class of chemicals in use and an account of injury experience. Medical and first-aid personnel should be trained in their removal and suitable equipment should be readily available. In the event of chemical exposure, begin eve irrigation immediately and remove contact lens as soon as practicable. Lens should be removed at the first signs of eye redness or irritation - lens should be removed in a clean environment only after workers have washed hands thoroughly. [CDC NIOSH Current Intelligence Bulletin 59], [AS/NZS 1336 or national equivalent]

Skin protection	See Hand protection below
Hands/feet protection	Wear general protective gloves, eg. light weight rubber gloves.
Body protection	See Other protection below
Other protection	No special equipment needed when handling small quantities. OTHERWISE: • Overalls. • Barrier cream. • Eyewash unit.

Recommended material(s)

Eve and face protection

GLOVE SELECTION INDEX

Glove selection is based on a modified presentation of the:

"Forsberg Clothing Performance Index". The effect(s) of the following substance(s) are taken into account in the computer-

generated selection: MEGAVITE-B PASTE ORAL B COMPLEX VITAMINS & AMINO ACIDS FOR HORSES

Material	CPI
NATURAL RUBBER	A
NATURAL+NEOPRENE	A
NITRILE	А

* 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

NOTE: 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.

Respiratory protection

Type A-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

Where the concentration of gas/particulates in the breathing zone, approaches or exceeds the "Exposure Standard" (or ES), respiratory protection is required. Degree of protection varies with both face-piece and Class of filter; the nature of protection varies with Type of filter

Required Minimum Protection Factor	Half-Face Respirator	Full-Face Respirator	Powered Air Respirator
up to 10 x ES	A-AUS P2	-	A-PAPR-AUS / Class 1 P2
up to 50 x ES	-	A-AUS / Class 1 P2	-
up to 100 x ES	-	A-2 P2	A-PAPR-2 P2 ^

^ - Full-face

A(All classes) = Organic vapours, B AUS or B1 = Acid gasses, B2 = Acid gas or hydrogen cyanide(HCN), B3 = Acid gas or hydrogen cyanide(HCN), E = Sulfur dioxide(SO2), G = Agricultural chemicals, K = Ammonia(NH3), Hg = Mercury, NO = Oxides of nitrogen, MB = Methyl bromide, AX = Low boiling point organic compounds(below 65 degC)

SECTION 9 Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Orange-Red paste, slightly gritty when rubbed between fing	ers with mild adour: miscible with wat	or
Appearance	Change-neu pasie, signity glitty when tubbed between hing		сı.
Physical state	Free-flowing Paste	Relative density (Water = 1)	1.102-1.218
Odour	Not Available	Partition coefficient n-octanol / water	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	3.8-4.6	Decomposition temperature	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	Not Available	Molecular weight (g/mol)	Not Applicable
Flash point (°C)	Not Applicable	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Applicable	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Applicable	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Applicable	Volatile Component (%vol)	Not Available
Vapour pressure (kPa)	Not Available	Gas group	Not Available
Solubility in water	Miscible	pH as a solution (%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	Not Available

SECTION 10 Stability and reactivity

Reactivity	See section 7
Chemical stability	Product is considered stable and hazardous polymerisation will not occur.
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

SECTION 11 Toxicological information

Information on toxicological effects

Inhaled	•	ects or irritation of the respiratory tract (as classified by EC Directives using animal at exposure be kept to a minimum and that suitable control measures be used in an ct
Ingestion	corroborating animal or human evidence. The material ma pre-existing organ (e.g liver, kidney) damage is evident. Pu producing mortality rather than those producing morbidity	r other classification systems as "harmful by ingestion". This is because of the lack of ay still be damaging to the health of the individual, following ingestion, especially when resent definitions of harmful or toxic substances are generally based on doses (disease, ill-health). Gastrointestinal tract discomfort may produce nausea and insignificant quantities is not thought to be cause for concern.
Skin Contact	models). Nevertheless, good hygiene practice requires that setting. Open cuts, abraded or irritated skin should not be exposed	rasions, puncture wounds or lesions, may produce systemic injury with harmful effect
	Examine the skin phor to the use of the material and ensu	ire that any external damage is suitably protected.
Eye	· · · · · · · · · · · · · · · · · · ·	assified by EC Directives), direct contact with the eye may produce transient discomfor
Eye Chronic	Although the material is not thought to be an irritant (as cla characterised by tearing or conjunctival redness (as with w	assified by EC Directives), direct contact with the eye may produce transient discomforwindburn).
Chronic MEGAVITE-B PASTE ORAL B	Although the material is not thought to be an irritant (as cla characterised by tearing or conjunctival redness (as with w Long-term exposure to the product is not thought to produ	assified by EC Directives), direct contact with the eye may produce transient discomforwindburn).
Chronic MEGAVITE-B PASTE ORAL B	Although the material is not thought to be an irritant (as cla characterised by tearing or conjunctival redness (as with w Long-term exposure to the product is not thought to produ models); nevertheless exposure by all routes should be m	assified by EC Directives), direct contact with the eye may produce transient discomforwindburn). Ice chronic effects adverse to health (as classified by EC Directives using animal inimised as a matter of course.
Chronic MEGAVITE-B PASTE ORAL B COMPLEX VITAMINS & AMINO	Although the material is not thought to be an irritant (as cla characterised by tearing or conjunctival redness (as with w Long-term exposure to the product is not thought to produ models); nevertheless exposure by all routes should be m TOXICITY	assified by EC Directives), direct contact with the eye may produce transient discomforwindburn). Ince chronic effects adverse to health (as classified by EC Directives using animal inimised as a matter of course.
Chronic MEGAVITE-B PASTE ORAL B COMPLEX VITAMINS & AMINO	Although the material is not thought to be an irritant (as cla characterised by tearing or conjunctival redness (as with w Long-term exposure to the product is not thought to produ models); nevertheless exposure by all routes should be m TOXICITY Not Available	assified by EC Directives), direct contact with the eye may produce transient discomforvindburn). ice chronic effects adverse to health (as classified by EC Directives using animal inimised as a matter of course. IRRITATION Not Available
Chronic MEGAVITE-B PASTE ORAL B COMPLEX VITAMINS & AMINO ACIDS FOR HORSES	Although the material is not thought to be an irritant (as cla characterised by tearing or conjunctival redness (as with w Long-term exposure to the product is not thought to produ models); nevertheless exposure by all routes should be m TOXICITY Not Available TOXICITY	assified by EC Directives), direct contact with the eye may produce transient discomforwindburn). tee chronic effects adverse to health (as classified by EC Directives using animal animimised as a matter of course. IRRITATION Not Available IRRITATION IRRITATION
Chronic MEGAVITE-B PASTE ORAL B COMPLEX VITAMINS & AMINO ACIDS FOR HORSES	Although the material is not thought to be an irritant (as cla characterised by tearing or conjunctival redness (as with w Long-term exposure to the product is not thought to produ models); nevertheless exposure by all routes should be m TOXICITY Not Available TOXICITY dermal (guinea pig) LD50: 58500 mg/kg ^[1]	assified by EC Directives), direct contact with the eye may produce transient discomforwindburn). tee chronic effects adverse to health (as classified by EC Directives using animal animimised as a matter of course. IRRITATION Not Available IRRITATION IRRITATION

Continued...

	Inhalation(Rat) LC50; >4.5 mg/l4h ^[1] Oral(Rat) LD50; >5000 mg/kg ^[1]	Skin: adverse effect observed (irritating) ^[1] Skin: no adverse effect observed (not irritating) ^[1]
Legend:		toxicity 2.* Value obtained from manufacturer's SDS. Unless otherwise
GLYCEROL	onset of persistent asthma-like symptoms within minutes to hours of a spirometry, with the presence of moderate to severe bronchial hyperre lymphocytic inflammation, without eosinophilia, have also been includu irritating inhalation is an infrequent disorder with rates related to the conductrial bronchilis, on the other hand, is a disorder that occurs as reparticulate in nature) and is completely reversible after exposure ceas production. For glycerol: Acute toxicity: Glycerol is of a low order of acute oral and dermal tox levels, the signs of toxicity include tremor and hyperaemia of the gastr low potential to irritate the skin and the eye. The available human and the absence of case reports of sensitisation, indicate that glycerol is no exposure to glycerol does not in The overall NOEL after prolonged treatment with glycerol is 10,000 mg were observed. For inhalation exposure to aerosols, the NOAEC for lomg/m3 for systemic effects. Genotoxicity: Glycerol is free from structural alerts, which raise concerstrains, chromosomal effects in marmalian cells or prinary DNA dam were of uncertain biological relevance. <i>In vivo</i> , glycerol produced no seltal study. However, the limited details provided and the absence of vivo data. Overall, glycerol is not considered to possess genotoxic pot Carcinogenicity . The experimental data from a limited 2 year dietary carcinogenicity. Data from non-guideline studies designed to investiga of glycerol up to 20 weeks had a weak promotion effects on fertility and glycerol administered by gavage (NOAEL 2000 mg/kg bw/day). No markey of administered by gavage (NOAEL 2000 mg/kg bw/day). No markey of administered by gavage (NOAEL 2000 mg/kg bw/day). No markey of administered by gavage (NOAEL 2000 mg/kg bw/day). No markey of administered by gavage (NOAEL 2000 mg/kg bw/day). No markey of administered by gavage (NOAEL 2000 mg/kg bw/day). No markey and the absence of yor administered by gavage (NOAEL 2000 mg/kg bw/day). No markey a distributing the set of the gavage (NOAEL 2000 mg/kg bw/day	hich can occur following exposure to high levels of highly irritating e of preceding respiratory disease, in a non-atopic individual, with abrupt documented exposure to the irritant. A reversible airflow pattern, on eactivity on methacholine challenge testing and the lack of minimal ed in the criteria for diagnosis of RADS. RADS (or asthma) following an oncentration of and duration of exposure to the irritating substance. sult of exposure due to high concentrations of irritating substance. sult of exposure due to high concentrations of irritating substance (often les. The disorder is characterised by dyspnea, cough and mucus icity with LD50 values in excess of 4000 mg/kg bw. At very high dose ro-intestinal -tract. Skin and eye irritation studies indicate that glycerol has animal data, together with the very widespread potential for exposure and ot a skin sensitiser. nduce adverse effects other than local irritation of the gastro-intestinal tract. g/kg bw/day (20% in diet). At this dose level no systemic or local effects bocal irritant effects to the upper respiratory tract is 165 mg/m3 and 662 ern for mutagenicity. Glycerol does not induce gene mutations in bacterial tatistically significant effect in a chromosome aberrations and dominant a positive control, prevent any reliable conclusions to be drawn from the <i>in</i> tential. study in the rat does not provide any basis for concerns in relation to the tumour promotion activity in male mice suggest that oral administration ice of tumour formation. d reproductive performance were observed in a two generation study with aternal toxicity or teratogenic effects were seen in the rat, mouse or rabbit at
WHITE MINERAL OIL (PETROLEUM)	Eve irritation is not significant according to experimental data (CONCAWE studies) based on 9 "in vivo" tests on 7 CASs from the O	

	Histopathological changes which were treatment-related were most prominent in the adrenals, bone marrow, kidneys, liver, lymph nodes, skin, stomach, and thymus. Based on the results of this study, the NOAEL for the test material is less than 30 mg/kg/day. Toxicity to reproduction: Mineral oil (a white mineral oil) caused no reproductive or developmental toxicity with 1 mL/kg/day (i.e., 1000 mg/kg/day) in an OECD 421 guideline study, but did cause mild to moderate skin irritation. Therefore, the reproductive/developmental NOAEL for this study is =1000 mg/kg/day and no LOAEL was determined. Developmental toxicity, teratogenicity: Heavy paraffinic distillate furfural extract produced maternal, reproductive and foetal toxicity. Maternal toxicity was exhibited as vaginal discharge (dose-related), body weight decrease, reduction in thymus weight and increase in liver weight (125 mg/kg/day and higher) and aberrant haematology and serum chemistry (125 and/or 500 mg/kg/day). Evidence of potential reproductive effects was shown by an increased number of dams with resorptions and intruetrine death. Distillate aromatic extract (DAE) was developmentally toxic regardless of exposure duration as indicated by increased resorptions and decreased foetal body weights. Furthermore, when exposures were increased to 1000 mg/kg/day and given only during gestation days 10 through 12, cleft palate and ossification delays were observed. Cleft palate was considered to indicate a potential teratogenic effect of DAE. The following Oil Industry Note (OIN) has been applied: OIN 8 - The classifications as a reproductive toxicant category 2; H361d (Suspected of damaging the unborn child) and specific target organ toxicant category 1; H372 (Causes damage to organs through prolonged or repeated exposure) need not apply if the substance is not classified as carcinogenic Toxicokinetics of lubricant base oils has been examined in rodents. Absorption of other lubricant base oils across the small intestine is related to carbon chain length; hydrocarb				
	exposure (~4 fold greater systemic dose in F344 vs SD rats), rate of metabolism, and hepatic and lymph node retention of C26H52, which may				
Acuto Tavi-itu	NOT classifiable as to its carcinogenicity to humans. Evidence of carcinogenicity may be inadequate or limited in animal testing.				
Acute Toxicity	× ×	Carcinogenicity	×		
Skin Irritation/Corrosion		Reproductivity	×		
Serious Eye Damage/Irritation Respiratory or Skin	X STOT - Single Exposure X				
sensitisation	×	STOT - Repeated Exposure	×		
Mutagenicity	×	Aspiration Hazard	×		

Legend:

 $\pmb{\times}$ – Data either not available or does not fill the criteria for classification $\pmb{\vee}$ – Data available to make classification

SECTION 12 Ecological information

oxicity					
MEGAVITE-B PASTE ORAL B COMPLEX VITAMINS & AMINO ACIDS FOR HORSES	Endpoint	Test Duration (hr)	Species	Value	Source
	Not Available	Not Available	Not Available	Not Available	Not Available
	Endpoint	Test Duration (hr)	Species	Value	Source
glycerol	EC0(ECx)	24h	Crustacea	>500mg/l	1
	LC50	96h	Fish	885mg/l	2

white mineral oil (petroleum)	Endpoint	Test Duration (hr)	Species	Value	Source
white mineral on (perioleum)	LC50	96h	Fish	>10000mg/L	2
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				

DO NOT discharge into sewer or waterways.

Persistence and degradability

Ingredient	Persistence: Water/Soil	Persistence: Air	
glycerol	LOW	LOW	
Bioaccumulative potential			
Ingredient	Bioaccumulation		
glycerol	LOW (LogKOW = -1.76)		
BA 1 11 7 1 11			
Mobility in soil	Aobility in soil		
Ingredient	Mobility		
glycerol	HIGH (KOC = 1)		

SECTION 13 Disposal considerations

Waste treatment methods	
Product / Packaging disposal	 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 or consult manufacturer for recycling options. Consult State Land Waste Authority for disposal. Bury or incinerate residue at an approved site. Recycle containers if possible, or dispose of in an authorised landfill.

SECTION 14 Transport information

Labels Required		
Marine Pollutant	NO	
HAZCHEM	Not Applicable	

Land transport (ADG): 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

Transport in bulk in accordance with MARPOL Annex V and the IMSBC Code

Product name	Group
glycerol	Not Available
white mineral oil (petroleum)	Not Available

Transport in bulk in accordance with the ICG Code

Product name	Ship Type
glycerol	Not Available
white mineral oil (petroleum)	Not Available

SECTION 15 Regulatory information

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

glycerol is found on the following regulatory lists

Australian Inventory of Industrial Chemicals (AIIC)

white mineral oil (petroleum) is found on the following regulatory lists

Australian Inventory of Industrial Chemicals (AIIC) Chemical Footprint Project - Chemicals of High Concern List International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs

International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Group 1: Carcinogenic to humans

National Inventory Status

National Inventory	Status
Australia - AIIC / Australia Non-Industrial Use	Yes
Canada - DSL	Yes
Canada - NDSL	No (glycerol; white mineral oil (petroleum))
China - IECSC	Yes
Europe - EINEC / ELINCS / NLP	Yes
Japan - ENCS	No (white mineral oil (petroleum))
Korea - KECI	Yes
New Zealand - NZIoC	Yes
Philippines - PICCS	Yes
USA - TSCA	Yes
Taiwan - TCSI	Yes
Mexico - INSQ	Yes
Vietnam - NCI	Yes
Russia - FBEPH	Yes
Legend:	Yes = All CAS declared ingredients are on the inventory No = One or more of the CAS listed ingredients are not on the inventory. These ingredients may be exempt or will require registration.

SECTION 16 Other information

Revision Date	11/01/2019
Initial Date	06/16/2016

SDS Version Summary

Version	Date of Update	Sections Updated
3.1.1.1	11/01/2019	One-off system update. NOTE: This may or may not change the GHS classification
3.1.2.1	04/26/2021	Regulation Change
3.1.3.1	05/03/2021	Regulation Change
3.1.4.1	05/06/2021	Regulation Change
3.1.5.1	05/10/2021	Regulation Change
3.1.5.2	05/30/2021	Template Change
3.1.5.3	06/04/2021	Template Change
3.1.5.4	06/05/2021	Template Change
3.1.6.4	06/07/2021	Regulation Change
3.1.6.5	06/09/2021	Template Change
3.1.6.6	06/11/2021	Template Change
3.1.6.7	06/15/2021	Template Change
3.1.7.7	06/17/2021	Regulation Change
3.1.8.7	06/21/2021	Regulation Change
3.1.8.8	07/05/2021	Template Change
3.1.9.8	07/14/2021	Regulation Change
3.1.10.8	07/19/2021	Regulation Change
3.1.10.9	08/01/2021	Template Change
3.1.11.9	08/02/2021	Regulation Change
3.1.12.9	08/05/2021	Regulation Change
3.1.13.9	08/09/2021	Regulation Change

Other information

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.

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.

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

ES: Exposure Standard

OSF: Odour Safety Factor NOAEL :No Observed Adverse Effect Level LOAEL: Lowest Observed Adverse Effect Level TLV: Threshold Limit Value LOD: Limit Of Detection OTV: Odour Threshold Value BCF: BioConcentration Factors BEI: Biological Exposure Index AIIC: Australian Inventory of Industrial Chemicals DSL: Domestic Substances List NDSL: Non-Domestic Substances List IECSC: Inventory of Existing Chemical Substance in China EINECS: European INventory of Existing Commercial chemical Substances ELINCS: European List of Notified Chemical Substances NLP: No-Longer Polymers ENCS: Existing and New Chemical Substances Inventory KECI: Korea Existing Chemicals Inventory NZIOC: New Zealand Inventory of Chemicals PICCS: Philippine Inventory of Chemicals and Chemical Substances TSCA: Toxic Substances Control Act TCSI: Taiwan Chemical Substance Inventory INSQ: Inventario Nacional de Sustancias Químicas NCI: National Chemical Inventory FBEPH: Russian Register of Potentially Hazardous Chemical and Biological Substances

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