

SAFETY DATA SHEET

Vitaferst Care

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product identifier:	Vitaferst-Care®
Other means of identification	
Synonyms:	Oral Veterinary vitamin
Recommended use:	Not for human use
Recommended restrictions:	
Manufacturer/Importer/Supplier/Distributor information	
Company Name (USA)	AVL/Solvjet Animal Health 7226 – 107 th Ave S.E. Calgary AB (Canada) 1-866-531-8896
Rocky Mountain Poison and Drug Center Product Support/Technical Services	1-800-366-5288
Emergency telephone Numbers	CHEMTREC (24 hours): 1-800-424-9300 International CHEMTREC (24 hours): +1-703-527-3887
Contact E-Mail Product Support	orders@avetlabs.com 1-877-456-2245
Supplier	All Safety Data Sheets are available via our AVL or Solvjet website at https://www.avl.com ; or www.solvjet.ca Not available.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures

Chemical Name	Amount	CAS #
Sodium selenite	1.0 mg/ml	10102-18-8
Vitamin E, dl-tocopheryl acetate	75 mg/ml	52225-20-4
Vitamin A acetate	25 mg/ml	127-47-9
Vitamin D3	0.1 mg/ml	67-97-0
Vitamin B12	0.05 mg/ml	68-19-9

All concentrations are in weight per ml.

3. HAZARDS IDENTIFICATION

Physical hazards	Not classified.	
Health hazards	Acute toxicity, oral Sensitization, skin	Category 4 Category 1
Environmental hazards	Hazardous to the aquatic environment, Category 3 acute hazard Hazardous to the aquatic environment, Category 3 long-term hazard	
Signal word	Warning	
Hazard statement	Harmful if swallowed. May cause an allergic skin reaction. Harmful to aquatic life with long lasting effects.	
Precautionary statement		
Prevention	Avoid breathing mist or vapour. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves.	
Response	IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell. Rinse mouth. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.	
Storage	Store away from incompatible materials.	
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.	
Other hazards	None known.	
Supplemental information	May cause eye and skin irritation.	

4. FIRST AID MEASURES

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist. For breathing difficulties, oxygen may be necessary.
Skin contact	Wash off immediately with soap and plenty of water. Get medical attention if irritation develops and persists. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Take off contaminated clothing and wash before reuse.
Eye contact	Remove contact lenses, if present and easy to do. Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Ingestion	Rinse mouth. Get medical advice/attention if you feel unwell. If ingestion of a large amount does occur, call a poison control centre immediately. Do not induce vomiting without advice from poison control center. Never give anything by mouth to a victim who is unconscious or is having convulsions.
Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation. Exposure may cause temporary irritation, redness, or discomfort. May cause skin irritation. May cause an allergic skin reaction. Dermatitis. Rash.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.
General information	For personal protection, see section 8 of the SDS. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before reuse.

5. FIRE FIGHTING MEASURES

Suitable extinguishing Media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing Media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Ensure adequate ventilation. Do not breathe mist or vapour. Avoid contact with eyes, skin, and clothing.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.
Methods and materials for containment and cleaning up	<p>Ventilate the contaminated area. Avoid release to the environment. Prevent entry into waterways, sewer, basements or confined areas. Remove sources of ignition.</p> <p>Large Spills: Stop the flow of material, if this is without risk. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.</p>

7. HANDLING AND STORAGE

Precautions for safe handling Use this product with adequate ventilation. Wear appropriate personal protective equipment. Avoid accidental injection. Avoid breathing mist or vapour. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wash thoroughly after handling. When using, do not eat, drink or smoke. Avoid release to the environment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities Store locked up. Store in a well-ventilated place. @ 15 - 25°C (59 - 77°F). Protect from sunlight. Do not allow material to freeze. Store away from incompatible materials (see Section 10 of the SDS). Keep out of the reach of children.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Occupational exposure limits

US. ACGIH Threshold Limit Values

Components	Type	Value
Sodium selenite (CAS 10102-18-8)	TWA	0.2 mg/m ³

Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)

Components	Type	Value
Sodium selenite (CAS 10102-18-8)	TWA	0.2 mg/m ³

Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)

Components	Type	Value
Sodium selenite (CAS 10102-18-8)	TWA	0.1 mg/m ³

Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)

Components	Type	Value
Sodium selenite (CAS 10102-18-8)	TWA	0.2 mg/m ³

Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)

Components	Type	Value
Sodium selenite (CAS 10102-18-8)	TWA	0.2 mg/m ³

Canada. Quebec OELs. (Ministry of Labour - Regulation Respecting the Quality of the Work Environment)

Components	Type	Value
Sodium selenite (CAS 10102-18-8)	TWA	0.2 mg/m3

Biological limit values	No biological exposure limits noted for the ingredient(s).
Control banding approach	Not available.
Appropriate engineering controls	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. General ventilation normally adequate.

Individual protection measures, such as personal protective equipment

Eye/face protection	If contact is likely, safety glasses with side shields are recommended.
Skin protection	
Hand protection	Wear protective gloves. Impervious gloves are recommended if skin contact with drug product is possible and for bulk processing operations.
Other	Wear suitable protective clothing. Impervious protective clothing is recommended if skin contact with drug product is possible and for bulk processing operations.
Respiratory protection	No personal respiratory protective equipment normally required. In case of insufficient ventilation, wear suitable respiratory equipment. Whenever air contamination (mist, vapor or odor) is generated, respiratory protection is recommended as a precaution to minimize exposure. If the applicable Occupational Exposure Limit (OEL) is exceeded, wear an appropriate respirator with a protection factor sufficient to control exposures to below the OEL.
Thermal hazards	Not applicable.
General hygiene considerations	Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance**

Physical state:	Liquid
Form:	Liquid
Color:	Not available

Odor:	Not available
Odor threshold:	Not available
pH:	Not available
Melting point/Freezing point:	Not available
Initial Boiling point and Boiling Range:	Not available
Flash point:	Not available
Evaporation rate:	Not available
Flammability (solid, gas):	Not applicable
Upper/lower flammability or explosive limits	
Flammability limit - lower (%):	Not available
Flammability limit - upper (%):	Not available
Explosive limit - lower (%):	Not available
Explosive limit – upper (%):	Not available

Vapor pressure:	Not available
Vapor density:	Not available
Relative density:	Not available
Solubility(ies)	
Solubility (water):	Not available
Partition coefficient (n-octanol/water):	Not available

Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available

Other Information

Explosive properties:	Not explosive
Oxidizing properties:	Not oxidizing

10. STABILITY AND REACTIVITY

Reactivity:	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical Stability:	Material is stable under normal condition
Possibility of hazardous reactions:	No dangerous reaction known under conditions of normal use.
Conditions to Avoid:	Contact with incompatible materials. Heat, flames and sparks. Sunlight. Protect from freezing.
Incompatible materials:	Strong oxidising agents.
Hazardous decomposition products:	Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition. Carbon oxides. Nitrogen oxides (NOx). Selenium.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	May be harmful if inhaled.
Skin contact	May cause an allergic skin reaction. May cause skin irritation Species: Guinea Pig Severity: Minimal Species: Rabbit Severity: Minimal
Eye contact	Direct contact with eyes may cause temporary irritation. Species: Rabbit Severity: minimal
Ingestion	Harmful if swallowed in large volumes (>1 L).
Symptoms related to the physical, chemical and toxicological characteristics	Direct contact with eyes may cause temporary irritation. Exposure may cause temporary irritation, redness, or discomfort. Skin irritation. May cause an allergic skin reaction. Dermatitis. Rash.
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation

Respiratory or skin sensitization

Canada - Alberta OELs: Irritant

Sodium selenite (CAS 10102-18-8) Irritant

Respiratory sensitization: Not a respiratory sensitizer.

Skin sensitization: May cause an allergic skin reaction.

Germ cell mutagenicity: No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity: This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

IARC Monographs. Overall Evaluation of Carcinogenicity

Sodium selenite (CAS 10102-18-8) 3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity – single exposure Not classified.

Specific target organ toxicity – repeated exposure Due to partial or complete lack of data the classification is not possible. This product may affect Blood. Lungs. through prolonged or repeated exposure.

Aspiration hazard Not an aspiration hazard.

Chronic effects Prolonged inhalation may be harmful. Selenium can accumulate in the human body. Danger of cumulative effects.

12. ECOLOGICAL INFORMATION

Exotoxicity: Harmful to aquatic life with long lasting effects. Avoid release to the environment.

Components		Species	Test Results
Sodium selenite (CAS 10102-18-8)	LC50	Daphnia magna (Water Flea)	0.9 - 1 ppm, 96 Hours
		Pimephales promelas (Fathead Minnow)	10 ppm, 96 Hours
Aquatic			
Crustacea	EC50	Daphnia magna (Water Flea)	1.1 mg/l, 48 hours
Fish	LC50	Rainbow trout,donaldson trout (Oncorhynchus mykiss)	1.8 mg/l, 96 hours

Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	No data available.
Mobility in soil	No data available.
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. DISPOSAL CONSIDERATIONS

Disposal instructions	Avoid release to the environment. Do not discharge into drains, water courses or onto the ground. Considering the relevant known environmental and human health hazards of the material, review and implement appropriate technical and procedural waste water and waste disposal measures to prevent occupational exposure and environmental release. It is recommended that waste minimization be practiced. The best available technology should be utilized to prevent environmental releases. This may include destructive techniques for waste and wastewater. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	Contains: Selenium. The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. TRANSPORT INFORMATION

TDG	Not regulated as dangerous goods.
IATA	Not regulated as dangerous goods.
IMDG	Not regulated as dangerous goods.
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not established.

15. REGULATORY INFORMATION

Canadian regulations: This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR.

Controlled Drugs and Substances Act

Not regulated.

Export Control List (CEPA 1999, Schedule 3)

Not listed.

Greenhouse Gases

Not listed.

Ontario. Toxic Substances. Toxic Reduction Act, 2009. Regulation 455/09 (July 1, 2011)

Sodium selenite (CAS 10102-18-8)

Precursor Control Regulations

Not regulated.

International regulations**Stockholm Convention**

Not applicable.

Rotterdam Convention

Not applicable.

Kyoto protocol

Not applicable.

Montreal Protocol

Not applicable.

Basel Convention

Not applicable.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	No

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. OTHER INFORMATION

Issue date	25-May-2023
Version No.	01
List of abbreviations	ATE: Acute Toxicity Estimate according to REGULATION (EC) No 1272/2008 (CLP).
Disclaimer:	AVL/Solvvet believes that the information contained in this Safety Data Sheet is accurate, and while it is provided in good faith, it is without warranty of any kind, expressed or implied. If data for a hazard are not included in this document there is no known information at this time. The information in the sheet was written based on the best knowledge and experience currently available.



SAFETY DATA SHEET

Vitaferst Care

Alberta Vet Laboratories Ltd.

Document No.:

SDS-QC.031

Version: 2.0

Effective Date: 2023-01-06

Revision information Product and Company Identification: Synonyms Composition /
Information on Ingredients: Ingredients Toxicological Information:
Toxicological Data
GHS: Classification