



# sanizoo

PREMIXES & FEED ADDITIVES



## SAFETY DATA SHEET

# POLLIVITA

Compilation date: 15/01/15, Revision 00

### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Identification of the substance or preparation

Trade name: POLLIVITA

#### 1.2 Use of the substance/preparation

Powder premix for animal use only

#### 1.3 Details of the supplier of the safety data sheet

Company/undertaking:	SANIZOO SRL
Address:	Via Vicenza, 132 36030 S. Tomio di Malo (VI)
Telephone no.:	+39 0445 588050
Fax no.:	+39 0445 588003
E-mail:	info@sanizoo.it

#### 1.4 Emergency telephone:

CAV Ospedale San Bortolo +39 0444 753111 – 800141403  
POISON CONTROL CENTRE (h24 – informations in Italian and English):  
Milano – Ospedale Niguarda – Tel. + 39 02 66101029  
Pavia – IRCCS Fondazione Maugeri – Tel. + 39 0382 24444  
Firenze – Azienda Ospedaliera Careggi – Tel. + 39 055 4277238

### 2. HAZARD IDENTIFICATION

#### 2.1 Classification of the substance or mixture

##### Regulation (CE) n. 1272/2008 (CLP)

This product has no classification under CLP

##### Directive 67/548/EEC o 1999/45/EC

This product has no classification under CHIP

#### 2.2 Labels elements

##### Regulation (CE) n. 1272/2008 (CLP)

No significant hazard

##### Hazard symbols

Not applicable.

##### Safety advice

Not applicable.

#### 2.3 Other hazards

Not applicable.

Sanizoo S.r.l. Via Vicenza, 132 - 36030 San Tomio di Malo (VI) Italy

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Substances

##### Chemical identity:

##### **VITAMIN A (E 672)**

concentration %  $\geq 0,04644$

Retinyl palmitate ; CAS 79-81-2 CE 201-228-5

Classification and indication of danger: Repr. 1B H360D; Acquatic Chronic 4 H413.

Symbol of Danger: N; R-phrases: 53, 61.

##### **VITAMIN D3 (E 671)**

concentration %  $\geq 0,0005$

Cholecalciferol; Nr. CAS: 67-97-0; Nr. CE : 200-673-2;

Classification and indication of danger: Acute Tox. 2 ; H330 Acute Tox. 3 ; H311

Acute Tox. 3 ; H301 Acute Tox. 1 ; H372

Symbol of Danger: T+; R-phrases: 24/25 – 26 - 48/25

##### **VITAMIN E/dl--alfa-tocopheryl acetate (3a700)**

concentration %  $\geq 0,4$

Vitamin E acetate; Nr. CAS: 7695-91-2; Nr. CE : 231-710-0;

The product is not classified as dangerous in accordance with Regulation (EC) No 1272/2008.

##### **VITAMIN B1 (Thiamine Mononitrate)**

concentration %  $\geq 0,1$

Thiamine Mononitrate ; CAS: 532-43-4; CE : 208-537-4;

The product is not classified as dangerous in accordance with Regulation (EC) No 1272/2008.

##### **VITAMIN B2 (Riboflavin)**

concentration %  $\geq 0,25$

Riboflavin ; CAS: 83-88-5; CE : 201-507-1;

The product is not classified as dangerous in accordance with Regulation (EC) No 1272/2008.

##### **VITAMIN B3 Nicotinic Acid (3a314)**

concentration %  $\geq 1,0$

Piridin-3-carbossiamide ; CAS: 98-92-0; CE : 202-713-4;

Classification and indication of danger: Skin Irrit. 2 ; H315 Eye Irrit. 2 ; H319

STOT SE 3 ; H 335

Symbol of Danger: Xi; R-phrases: 36/37/38

##### **VITAMIN B5 Calcium D-Pantothenate (3a841)**

concentration %  $\geq 0,5$

CAS: 137-08-6; CE : 205-278-9;

The product is not classified as dangerous in accordance with Regulation (EC) No 1272/2008.

##### **VITAMIN B6/Pyridoxine Hydrochloride (3a831)**

concentration %  $\geq 0,2$

Pyridoxine hydrochloride ; CAS: 58-56-0; CE : 200-386-2;

The product is not classified as dangerous in accordance with Regulation (EC) No 1272/2008.

##### **VITAMIN B9 Folic acid (3a316)**

concentration %  $\geq 0,05$

Folic acid ; CAS: 59-30-3; CE : 200-419-0;

The product is not classified as dangerous in accordance with Regulation (EC) No 1272/2008.

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**VITAMIN B12 (Cianocobalamine)**concentration %  $\geq 0,0005$ 

Cianocobalamine ; CAS: 471-34-1; EC: 207-439-9;

The product is not classified as dangerous in accordance with Regulation (EC) No 1272/2008.

**VITAMIN K (Menadione Sodium Bisulfite)**concentration %  $\geq 0,2$ 

CAS: 7631-86-9; CE : 231-545-4

Classification and indication of danger: Eye Irrit. 2 H319; Skin Irrit. 2 H315;

Resp. Irrit. 3 H335; Acquatic Acute 1 H400; Acquatic Chronic 1 H410.

Symbol of Danger: Xi, N; R-phrases: 36/37/38, 50/53

**VITAMIN C L-Ascorbic acid (E 300)**concentration %  $\geq 2,0$ 

CAS: 50-81-7; CE : 200-066-2; EINECS: 2000662

The product is not classified as dangerous in accordance with Regulation (EC) No 1272/2008.

**DL-METHIONINE, technically pure (3.1.3)**concentration %  $\geq 0,2$ 

Amino-2 Methylthio-4-Butanic Acid CAS: 59-51-8; CE : 200-432-1;

The product is not classified as dangerous in accordance with Regulation (EC) No 1272/2008.

**Carrier up to****1.000 grams****4. FIRST AID MEASURES****4.1 Description of first aid measures****General**

In all cases of doubt, or when symptoms persist, seek medical attention.

**In case of inhalation**

Remove from the danger zone in a well-ventilated area; the occurrence of symptoms of discomfort seek medical assistance.

**In case of contact with skin**

Wash with water and rinse. Change clothes if necessary. If irritation persists or tissue damage occurs, consult a physician.

**In case of contact with eyes**

Flush with running water for several minutes, holding the eyelids open. If symptoms persist, consult a doctor.

**In case of ingestion**

SEEK A MEDICAL EXAMINATION IMMEDIATELY and present the safety data sheet. Do not induce vomiting. Never give anything by mouth if victim is unconscious.

**4.2 Most important symptoms and effects, both acute and delayed**

Not applicable.

**4.3 Indication of any immediate medical attention and special treatment needed**

Not applicable.

**5. FIRE-FIGHTING MEASURES****5.1 Extinguishing media****Suitable extinguishing media**

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Water spray jet, CO<sub>2</sub>, foam, Dry chemical powder according to the materials involved in the fire. Fight larger fires with water spray or alcohol resistant foam.

## 5.2 Special hazards arising from the substance or mixture

CO<sub>2</sub>, CO. Fire gas of organic material has to be classed invariably as respiratory poison.

## 5.3 Advise for fire-fighters

Do not inhale gases from the fire. It may be necessary to use a breathing apparatus appropriate. Wear protective clothing to prevent contact with eyes and skin.

## 5.4 Other indications

Move out of dangerous unprotected persons and unauthorized.

## 6. Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Refer to protective measures listed in sections 7 and 8. Turn leaking containers leak-side up to prevent escape of liquid. Wear gloves, protective clothing, safety goggles, boots, and a means of protection for the respiratory (breathing apparatus).

### 6.2 Environmental precautions

Do not discharge into drains or rivers. Contain the spillage using bunding.

### 6.3 Methods and materials for containment and cleaning up

In the case of solid product, to avoid the formation of dust. In the case of liquid products, contain and absorb spill with inert absorbent material (eg sand, earth, vermiculite, diatomaceous earth). Place contaminated material in suitable container for disposal. After collection, wash area with water and materials involved recovering the used water and eventually send for disposal in approved facilities.

### 6.4 Reference to other sections

Refer to section 8 of SDS.

### 6.5 Other indications

Move out of dangerous unprotected persons and unauthorized.

## 7. HANDLING AND STORAGE

For the transport, storage and handling only use suitable materials.

### 7.1 Precautions for safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid contact and inhalation of vapors and / or dusts. See also section 8.

#### About protection against explosions and fires

Keep away from sources of ignition - No smoking. Avoid the accumulation of electrostatic charges. Ensure the electrical continuity with a suitable network of grounding to prevent the accumulation of electrostatic charges.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Store at ambient temperature in a well ventilated area. Keep away from direct sunlight. Keep container tightly closed.

#### Advice on storage assembly

Keep away from substances with which it can react. See par.10.

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## Further information on storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place.

### 7.3 Specific end use(s)

No data available.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

None.

### 8.2 Exposure controls/personal protection

#### Personal protective equipment

Avoid contact with skin and eyes.

#### General protective hygienic

At work do not eat, drink or smoke. Ensure there is sufficient ventilation of the area.

#### Hand protection

Use protective gloves.

#### Eye protection

Use safety glasses. Ensure eye bath is to hand.

#### Additional information about design of technical systems

The workplace must be adequately ventilated. Where possible, install sources of local exhaust ventilation and effective system of general extraction. If these measures are not sufficient to maintain concentrations of particulates and solvent vapors below the exposure limits, you will need to make use of suitable means of protection of the respiratory tract.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

#### Important data for the safety

State	powder
Colour	whitish
Odour	barely perceptible odour
Oxidising (by EC criteria)	non-oxidising
Viscosity (20 °C)	n. a.
Solubility (20°C)	suspension in water
pH value	n. a.

### 9.2 Other information

No data available.

## 10. STABILITY AND REACTIVITY

### 10.1 Reactivity

Stable under recommended transport or storage conditions.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

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## 10.4 Condition to avoid

Heat. Flames. Sources of ignition.

## 10.5 Materials to avoid

Strong oxidising agents.

## 10.6 Hazardous decomposition products

In combustion emits toxic fumes of carbon dioxide/carbon monoxide.

## 11. TOXICOLOGICAL INFORMATION

This is a product for use in feed, which has no toxicological risk.

Concerning single ingredients:

### VITAMIN A

Specification	LD-50
Route of administration	oral
Species for the test	rat
Value	> 2.000 mg / kg
Specification	LD-50
Route of administration	oral
Species for the test	mouse
Value	6.000 mg / kg

### VITAMIN D3

Specification	LD-50
Route of administration	oral
Species for the test	rat
Value	42 mg / kg
Specification	LD-50
Route of administration	oral
Species for the test	mouse
Value	41,5 mg / kg
Specification	LD-50
Route of administration	dermal
Species for the test	rat
Value	> 60 mg / kg

### VITAMIN E

Specification	LD-50
Route of administration	oral
Species for the test	rat
Value	> 2.000 mg / kg
Specification	LD-50
Route of administration	dermal
Species for the test	rat
Value	> 3.000 mg / kg

### VITAMIN B1

Specification	LD-50
Route of administration	oral
Species for the test	rat

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Value > 15.900 mg / kg  
Specification LD-50  
Route of administration oral  
Species for the test mouse  
Value > 5.000 mg / kg

## VITAMIN B2

Specification LD-50  
Route of administration oral  
Species for the test rat  
Value > 2.000 mg / kg

## VITAMIN B3

Specification LD-50  
Route of administration oral  
Species for il test rat  
Value 3.500 mg / kg  
Specification LD-50  
Route of administration dermal  
Species for il test rabbit  
Value > 2.000 mg / kg

## VITAMIN B5

Specification LD-50  
Route of administration oral  
Species for the test rat  
Value > 10.000 mg / kg  
Specification LD-50  
Route of administration oral  
Species for the test mouse  
Value > 9.000 mg / kg

## VITAMIN B6

Specification LD-50  
Route of administration oral  
Species for the test rat  
Value > 4.600 mg / kg  
Specification LD-50  
Route of administration oral  
Species for the test mouse  
Value > 4.000 mg / kg

## VITAMIN B9

Specification LD-50  
Route of administration oral  
Species for the test rat  
Value > 5.000 mg/kg  
Specification LD-50  
Route of administration oral  
Species for the test mouse

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Value > 8.000 mg/kg

## VITAMIN B12

Specification LD-50  
Route of administration oral  
Species for the test rat  
Value 6.450 mg/kg

## VITAMIN K

Specification LD-50  
Route of administration oral  
Species for the test rat  
Value > 2.000 mg/kg  
Specification LD-50  
Route of administration intraperitoneal  
Species for the test rat  
Value 985 mg/kg

## VITAMIN C

Specification LD-50  
Route of administration oral  
Species for the test rat  
Value 11.900 mg/kg  
Specification LD-50  
Route of administration oral  
Species for the test mouse  
Value 8.000 mg/kg

## DL-METHIONINE

Specification LD-50  
Route of administration oral  
Species for the test mouse  
Value > 8.000 mg / kg  
Specification LD-50  
Route of administration dermal  
Species for the test mouse  
Value > 2.500 mg / kg

### 11.1 Information on toxicological effects

Skin contact: there may be mild irritation at the side contact

Eye contact: there may be irritation and redness

Ingestion: no irritation

Inhalation: vapour/mist from heated product may irritate the nose

The product doesn't have harmful effects on human health.

## 12. ECOLOGICAL INFORMATION

Use according to good working practices, avoiding littering.

### 12.1 Toxicity

This product has no ecological risks, although it must be disposed of in a responsible manner.

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Concerning single ingredients:

## **VITAMIN A**

Fish: 10.000 mg/L 96h LC 50 *Leuciscus idus*  
Daphne: > 100 mg/l 48h EC 50 *Daphnia magna*  
Algae: > 100 mg/l 72h EC 50 *Desmodesmus subspicatus*

## **VITAMIN D3**

Fish: 10.000 mg/L 96h LC 50 *Pigo Leuciscus idus*  
Daphne: > 100 mg/l EC 50 *Daphnia magna*  
Algae: > 100 mg/l EC 50 *Selenastrum capricornutum*

## **VITAMIN E**

Fish: > 11 mg/l/96h LC50 *Oncorhynchus mykiss*

## **VITAMIN B1**

Fish: > 100 mg/L 96h LC 50 *Oncorhynchus mykiss*  
Daphne: 97 mg/l 48h EC 50 *Daphnia magna*  
Algae: > 100 mg/l 72h EC 50 *Desmodesmus subspicatus*

## **VITAMIN B2**

Fish: > 10.000 mg/L 96h LC 50 *Brachydanio rerio*

## **VITAMIN B3**

Fish: 4.200 mg/L 96h LC 50 *Oncorhynchus mykiss*  
Daphne: > 1.000 mg/l 48h EC 50 *Daphnia magna*

## **VITAMIN B5**

Fish: > 1.000 mg/L 96h LC 50 *Pigo leuciscus idus*  
Daphne: > 580 mg/l 48h EC 50 *Daphnia magna*  
Tree: > 500 mg/l 72h Eb 50 *Scenedesmus subspicatus*  
Bacteria: > 10.000 mg/l 72h CE 10 *Pseudomonas putida*

## **VITAMIN B6**

Fish: > 100 mg/L 96h LC 50 *Oncorhynchus mykiss*  
Daphne: > 100 mg/l 48h EC 50 *Daphnia magna*  
Algae: > 5,3 mg/l 72h Eb 50 *Desmodesmus subspicatus*  
Algae: 1,2 mg/l 72h CE0b 50 *Desmodesmus subspicatus*

## **VITAMIN B9**

Fish: 500 mg/L 96h LC 50 *Oncorhynchus mykiss*  
Daphne: > 100 mg/l 48h EC 50 *Daphnia magna*  
Algae: > 51, mg/l 72h Eb 50 *Pseudokirchneriella subcapitata*

## **VITAMIN B12**

No data available.

## **VITAMIN K**

Fish: CL 50 – 96 h : 0.43 mg/l – *Oncorhynchus mykiss*

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Daphne: CE 50 – 48 h : 0.73 mg/l – Daphnia magna

Algae: CE 50 – 72 h : 5.2 mg/l – Selenastrum capricornutum

## **VITAMIN C**

Fish: CL 50 – 96 h : 1.020 mg/l – Oncorhynchus mykiss

## **DL-METHIONINE**

Fish: CL 50 – 96 h : 100 mg/l – Oryzias latipes

Daphne: CE 50 – 48 h : 1.000 mg/l – Daphnia magna

Algae: CE 50 – 72 h : 1.000 mg/l – Pseudokirchneriella subcapitata

## **12.2 Persistence and degradability**

Biodegradable 75% in 30 days.

## **12.3 Bioaccumulative potential**

No bioaccumulation potential.

## **12.4 Mobility in soil**

Readily absorbed into soil.

## **12.5 Results of PBT e vPvB assessment**

No data available.

## **12.6 Other adverse effects**

No data available.

## **13. DISPOSAL CONSIDERATIONS**

### **13.1 Waste treatment methods**

The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## **14. TRANSPORT INFORMATION**

### **14.1 UN Number**

The product is not dangerous for transport both national and international road, rail, sea and air.

### **14.2 Tracking number UN**

The product is not dangerous for transport both national and international road, rail, sea and air.

### **14.3 Classes of Transport hazard**

The product is not dangerous for transport both national and international road, rail, sea and air.

### **14.4 Packing group**

The product is not dangerous for transport both national and international road, rail, sea and air.

### **14.5 Environmental hazards**

The product is not dangerous for transport both national and international road, rail, sea and air.

### **14.6 Special precautions for users**

The product is not dangerous for transport both national and international road, rail, sea and air.

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## 15. REGULATORY INFORMATION

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

#### National disposition

Legislative Decree 81/2008 (Consolidated Law on protection of health and safety in the workplace), as amended and Directive 2009/161/EU - chemical risk assessment to Senzi Title IX.

Hazard Class for water

Class: 1 - Classification According to VwVwS

international standards

Directive 67/548/EEC (Classification, packaging and labeling of dangerous substances) and subsequent amendments.

Directive 1999/45/EC (Classification, packaging and labeling of dangerous substances) and subsequent amendments.

Regulation n ° 1907/2006/EC (REACH).

Regulation n ° 1272/2008/EC (CLP).

Regulation n ° 790/2009/CE (amending, for the purposes of adaptation to technical and scientific progress, Regulation n ° 1272/2008/EC of ATP).

### 15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## 16. OTHER INFORMATION

### Other information

Working conditions existing at the user, however, We have no knowledge or control. The user is responsible for the observance of all required statutory provisions.

#### LEGEND:

ADR: Accord européen relative au transport international des marchandises dangereuses par route (accordo europeo relativo al trasporto internazionale delle merci pericolose su strada)

ASTM: ASTM International, originariamente nota come American Society for Testing and Materials (ASTM)

EINECS: European Inventory of Existing Commercial Chemical Substances (Registro Europeo delle Sostanze chimiche in Commercio)

EC50: Effective Concentration 50 (Concentrazione Effettiva Massima per il 50% degli Individui)

LC50: Lethal Concentration 50 (Concentrazione Letale per il 50% degli Individui)

IC50: Inhibitor Concentration 50 (Concentrazione Inibente per il 50% degli Individui)

NOEL: No Observed Effect Level (Dose massima senza effetti)

DNEL: Derived No Effect Level (Dose derivata di non effetto)

DMEL: Derived Minimum Effect Level (Dose derivata di minimo effetto)

CLP: Classification, Labelling and Packaging (Classificazione, Etichettatura e Imballaggio)

CSR: Rapporto sulla Sicurezza Chimica (Chemical Safety Report)

LD50: Lethal Dose 50 (Dose Letale per il 50% degli Individui)

IATA: International Air Transport Association (Associazione Internazionale del Trasporto Aereo)

ICAO: International Civil Aviation Organization (Organizzazione Internazionale dell'Aviazione Civile)

Codice IMDG: International Maritime Dangerous Goods code (Codice sul Regolamento del Trasporto Marittimo)

PBT: Persistent, bioaccumulative and toxic (sostanze persistenti bioaccumulabili e tossiche)

RID: Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regolamento concernente il trasporto Internazionale ferroviario delle merci Pericolose)

STEL: Short term exposure limit (limite di esposizione a breve termine)

TLV: Threshold limit value (soglia di valore limite)

TWA: Time Weighted Average (media ponderata nel tempo)

vPvB: Very persistent very bioaccumulative (sostanze molto persistenti e molto bioaccumulabili)

### Changes essential for the safety factor

No danger.

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**Risk Phrases of components**

No danger.

**CLP - Indications of Danger components**

No danger.

These data are based on our current knowledge, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual.

This MSDS cancels and replaces any preceding release.