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

Product Identifier
Material Name: VITAMINS & ELECTROLYTES w/ Stabilized C
Trade Name: VITAMINS & ELECTROLYTES w/ Stabilized C
Synonyms: Vitamin Soluble Powder, Vitamins and Electrolytes, Vitamins and Electrolytes Concentrate
Chemical Family: Mixture

Relevant Identified Uses of the Substance or Mixture and Uses Advised Against
Intended Use: Veterinary vitamin, electrolyte replacement
Restrictions on Use: Not for human use

Details of the Supplier of the Safety Data Sheet
Zoetis Inc.
100 Campus Drive, P.O. Box 651
Florham Park, New Jersey 07932 (USA)
Rocky Mountain Poison and Drug Center Phone: 1-866-531-8896
Product Support/Technical Services Phone: 1-800-366-5288

Emergency telephone number:
CHEMTREC (24 hours): 1-800-424-9300
Contact E-Mail: VMIPsrecords@zoetis.com

Zoetis Belgium S.A.
Mercuriusstraat 20
1930 Zaventem
Belgium

Emergency telephone number:
International CHEMTREC (24 hours): +1-703-527-3887

2. HAZARDS IDENTIFICATION

Appearance: Powder

Classification of the Substance or Mixture
GHS - Classification
Serious Eye Damage/Eye Irritation: Category 2A

US OSHA Specific - Classification
Physical Hazard: Combustible Dust

EU Classification:
EU Indication of danger: Irritant
EU Symbol: Xi
EU Risk Phrases: R36 - Irritating to eyes.

Label Elements
Signal Word: Warning
Hazard Statements: H319 - Causes serious eye irritation
May form combustible dust concentrations in air
Precautionary Statements:
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P264 - Wash hands thoroughly after handling
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P337 + P313 - If eye irritation persists: Get medical advice/attention

Other Hazards
Short Term:
Can cause eye irritation. Signs and symptoms might include redness, swelling, blurred vision or pain. May cause slight skin irritation. Signs and symptoms might include skin rash, itching, redness or swelling. May cause mucous membrane and respiratory tract irritation. May be harmful if swallowed.

Long Term:
May cause effects on developing fetus through prolonged or repeated exposure.

Australian Hazard Classification (NOHSC):

Note:
This document has been prepared in accordance with standards for workplace safety, which requires the inclusion of all known hazards of the product or its ingredients regardless of the potential risk. The precautionary statements and warning included may not apply in all cases. Your needs may vary depending upon the potential for exposure in your workplace.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>EU EINECS/ELINCS List</th>
<th>EU Classification</th>
<th>GHS Classification</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium chloride</td>
<td>7647-14-5</td>
<td>231-598-3</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>&lt;30</td>
</tr>
<tr>
<td>Potassium Chloride</td>
<td>7447-90-7</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>&lt;30</td>
</tr>
<tr>
<td>Citric acid</td>
<td>77-92-9</td>
<td>201-069-1</td>
<td>Xi; R36</td>
<td>Eye Irrit. 2A (H319)</td>
<td>&lt;20</td>
</tr>
<tr>
<td>Niacinamide</td>
<td>98-92-0</td>
<td>202-713-4</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>&lt;20</td>
</tr>
<tr>
<td>Riboflavin (Vitamin B2)</td>
<td>83-88-5</td>
<td>201-507-1</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>&lt;5</td>
</tr>
<tr>
<td>Vitamin A</td>
<td>68-26-8</td>
<td>200-683-7</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>&lt;5</td>
</tr>
<tr>
<td>Vitamin E acetate</td>
<td>7695-91-2</td>
<td>231-710-0</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>&lt;5</td>
</tr>
<tr>
<td>Pyridoxine Hydrochloride (Vitamin B6)</td>
<td>58-56-0</td>
<td>200-386-2</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>&lt;1</td>
</tr>
<tr>
<td>Folic Acid</td>
<td>59-30-3</td>
<td>200-419-0</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>&lt;1</td>
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<tr>
<td>Magnesium sulfate</td>
<td>7487-88-9</td>
<td>231-298-2</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>&lt;1</td>
</tr>
<tr>
<td>Cholecalciferol (Vitamin D3)</td>
<td>67-97-0</td>
<td>200-673-2</td>
<td>T; R24/25-48/25 T+; R26</td>
<td>Acute Tox. 3 (H301) Acute Tox. 3 (H311) STOT RE 1 (H372) Acute Tox. 2 (H330)</td>
<td>&lt;1</td>
</tr>
</tbody>
</table>
SAFETY DATA SHEET

Material Name: VITAMINS & ELECTROLYTES w/ Stabilized C

Revision date: 02-Jun-2015

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Version: 2.1

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS Number</th>
<th>EU EINECS/ELINCS List</th>
<th>EU Classification</th>
<th>GHS Classification</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ascorbic acid (Vitamin C)</td>
<td>50-81-7</td>
<td>200-066-2</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>*</td>
</tr>
<tr>
<td>Thiamine</td>
<td>67-03-8</td>
<td>200-641-8</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>*</td>
</tr>
<tr>
<td>Pantothenic Acid</td>
<td>79-83-4</td>
<td>201-229-0</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>*</td>
</tr>
<tr>
<td>Cyanocobalamin (Vitamin B12)</td>
<td>68-19-9</td>
<td>200-680-0</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>*</td>
</tr>
<tr>
<td>Menadione sodium bisulfite (Vitamin K)</td>
<td>6147-37-1</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>*</td>
</tr>
<tr>
<td>Biotin</td>
<td>58-85-5</td>
<td>200-399-3</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>*</td>
</tr>
</tbody>
</table>

Additional Information:
Proprietary
Ingredient(s) indicated as hazardous have been assessed under standards for workplace safety. In accordance with 29 CFR 1910.1200, the exact percentage composition of this mixture has been withheld as a trade secret.

For the full text of the R phrases and CLP/GHS abbreviations mentioned in this Section, see Section 16

4. FIRST AID MEASURES

Description of First Aid Measures
Eye Contact: Flush with water while holding eyelids open for at least 15 minutes. Seek medical attention immediately.
Skin Contact: Remove contaminated clothing. Flush area with large amounts of water. Use soap. Seek medical attention.
Ingestion: Never give anything by mouth to an unconscious person. Wash out mouth with water. Do not induce vomiting unless directed by medical personnel. Seek medical attention immediately.
Inhalation: Remove to fresh air and keep patient at rest. Seek medical attention immediately.

Most Important Symptoms and Effects, Both Acute and Delayed
Symptoms and Effects of Exposure: For information on potential signs and symptoms of exposure, See Section 2 - Hazards Exposure.
Medical Conditions Aggravated by Exposure: Breathing dust may worsen asthma symptoms.

Indication of the Immediate Medical Attention and Special Treatment Needed
Notes to Physician: None

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Extinguish fires with CO2, extinguishing powder, foam, or water.

Special Hazards Arising from the Substance or Mixture
Hazardous Combustion Products: Formation of toxic gases is possible during heating or fire.
Fire / Explosion Hazards: Dust can form an explosive mixture in air. Fine particles (such as dust and mists) may fuel fires/explosions.

Advice for Fire-Fighters
Wear approved positive pressure, self-contained breathing apparatus and full protective turn out gear.
6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures
Personnel involved in clean-up should wear appropriate personal protective equipment (see Section 8). Minimize exposure. Avoid dust formation.

Environmental Precautions
Place waste in an appropriately labeled, sealed container for disposal. Care should be taken to avoid environmental release.

Methods and Material for Containment and Cleaning Up
Measure for Cleaning / Collecting:
Contain the source of the spill if it is safe to do so. Eliminate possible ignition sources (e.g., heat, sparks, flame, impact, friction, electricity), and follow appropriate grounding procedures. Collect spilled material by a method that controls dust generation. Wipe up with a damp cloth and place in container for disposal. Clean contaminated surface thoroughly.

Additional Consideration for Large Spills:
Non-essential personnel should be evacuated from affected area. Report emergency situations immediately. Clean up operations should only be undertaken by trained personnel. Avoid generating airborne dust. Eliminate possible ignition sources (e.g., heat, sparks, flame, impact, friction, electricity), and follow appropriate grounding procedures. Collect spill with a non-combustible absorbent material and transfer to labeled container for disposal.

7. HANDLING AND STORAGE

Precautions for Safe Handling
Eliminate possible ignition sources (e.g., heat, sparks, flame, impact, friction, electricity), and follow appropriate grounding and bonding procedures. Avoid contact with eyes, skin and clothing. Avoid breathing dust. Minimize dust generation and accumulation. Use with adequate ventilation. Wash thoroughly after handling. When handling, use appropriate personal protective equipment (see Section 8). Prevent environmental releases.

Conditions for Safe Storage, Including any Incompatibilities
Storage Conditions: Keep away from heat, sparks, flame, and other sources of ignition. Store away from direct sunlight. Keep in a dry, cool and well-ventilated place.
Incompatible Materials: Acids, alkalines, sodium nitrite and nitrate, acacia, aldehydes, ferrous gluconate and sulfate, sodium salicylate
Specific end use(s): No data available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control Parameters
Refer to available public information for specific member state Occupational Exposure Limits.

Sodium chloride
Latvia OEL - TWA 5 mg/m³
Lithuania OEL - TWA 5 mg/m³

Niacinamide
Zoetis OEL TWA 8-hr 250 µg/m³
Latvia OEL - TWA 1 mg/m³
Lithuania OEL - TWA 1 mg/m³

Riboflavin (Vitamin B2)
Latvia OEL - TWA 1 mg/m³
Lithuania OEL - TWA 1 mg/m³
8. EXPOSURE CONTROLS / PERSONAL PROTECTION

The purpose of the Occupational Exposure Band (OEB) classification system is to separate substances into different Hazard categories when the available data are sufficient to do so, but inadequate to establish an Occupational Exposure Limit (OEL). The OEB given is based upon an analysis of all currently available data; as such, this value may be subject to revision when new information becomes available.

Riboflavin (Vitamin B2)
Zoetis OEB
OEB 2 (control exposure to the range of 100ug/m³ to < 1000ug/m³)

Vitamin A
Zoetis OEB
OEB 3 (control exposure to the range of 10ug/m³ to < 100ug/m³)

Vitamin E acetate
Zoetis OEB
OEB 3 (control exposure to the range of 10ug/m³ to < 100ug/m³)

Pyridoxine Hydrochloride (Vitamin B6)
Zoetis OEB
OEB 2 (control exposure to the range of 100ug/m³ to < 1000ug/m³)

Folic Acid
Zoetis OEB
OEB 3 (control exposure to the range of 10ug/m³ to < 100ug/m³)

Cholecalciferol (Vitamin D3)
Zoetis OEB
OEB 5 (control exposure to <1ug/m³)

Exposure Controls
Engineering Controls:
Engineering controls should be used as the primary means to control exposures. Keep air contamination levels below the exposure limits or within the OEB range listed above in this section. General room ventilation is adequate unless the process generates dust, mist or fumes.

Personal Protective Equipment:
Refer to applicable national standards and regulations in the selection and use of personal protective equipment (PPE).

Hands:
Wear impervious gloves if skin contact is possible.

Eyes:
Safety glasses or goggles

Skin:
Use protective clothing (uniforms, lab coats, disposable coveralls, etc.) in both production and laboratory areas.

Respiratory protection:
If airborne exposures are within or exceed the Occupational Exposure Band (OEB) range, wear an appropriate respirator with a protection factor sufficient to control exposures to the bottom of the OEB range.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Powder
Color: Yellow-orange
Odor: Characteristic
Odor Threshold: No data available.
Molecular Formula: Mixture
Molecular Weight: Mixture

Solvent Solubility: No data available
Water Solubility: Soluble
pH: No data available.
Melting/Freezing Point (°C): No data available
Boiling Point (°C): No data available
Partition Coefficient: (Method, pH, Endpoint, Value) No data available
Decomposition Temperature (°C): No data available.
10. STABILITY AND REACTIVITY

Reactivity: No data available
Chemical Stability: Stable under normal conditions of use.
Possibility of Hazardous Reactions

- Oxidizing Properties: No data available
  - Exposure to moisture, Extremes of temperature and direct sunlight. Keep away from heat, spark, flames and all other sources of ignition. Avoid dispersion as a dust cloud. Dust may form explosive mixture in air. Fine particles (such as dust and mists) may fuel fires/explosions.
- Conditions to Avoid: Acids, alkalines, sodium nitrite and nitrate, acacia, aldehydes, ferrous gluconate and sulfate, sodium salicylate
- Incompatible Materials: Thermal decomposition products may include carbon monoxide, carbon dioxide, oxides of nitrogen, sulfur, hydrogen chloride and other chlorine- and sulfur-containing compounds.

11. TOXICOLOGICAL INFORMATION

Information on Toxicological Effects

General Information: Toxicological properties of the formulation have not been investigated. The information in this section describes the potential hazards of the individual ingredients and the formulation.

Routes of exposure: eye contact, skin contact, inhalation

Acute Toxicity: (Species, Route, End Point, Dose)

Potassium Chloride
- Rat Oral LD50 2600 mg/kg

Sodium chloride
- Rat Oral LD50 3000 mg/kg
- Mouse Oral LD50 4000 mg/kg

Ascorbic acid (Vitamin C)
- Rat Oral LD 50 11.9 g/kg

Folic Acid
- Mouse Oral LD 50 10 g/kg

Vitamin A
### 11. TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Material Name: VITAMINS &amp; ELECTROLYTES w/ Stabilized C</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Inhalation Acute Toxicity</strong></th>
<th>May cause respiratory tract and mucous membrane irritation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ingestion Acute Toxicity</strong></td>
<td>May be harmful if swallowed</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Irritation / Sensitization Comments:</strong></th>
<th>May cause eye irritation.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Skin Irritation / Sensitization</strong></td>
<td>May cause mild skin irritation.</td>
</tr>
</tbody>
</table>

#### Vitamin E acetate

<table>
<thead>
<tr>
<th>Route</th>
<th>Species</th>
<th>Effect(s)</th>
<th>Dose</th>
<th>End Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>Rat</td>
<td>LD50</td>
<td>&gt; 16,000 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td>Rat</td>
<td>LD50</td>
<td>&gt; 3000 mg/kg</td>
<td></td>
</tr>
</tbody>
</table>

#### Cholecalciferol (Vitamin D3)

<table>
<thead>
<tr>
<th>Route</th>
<th>Species</th>
<th>Effect(s)</th>
<th>Dose</th>
<th>End Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>Rat</td>
<td>LD50</td>
<td>42 mg/kg</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Mouse</td>
<td>LD50</td>
<td>136 mg/kg</td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td>Rat</td>
<td>LD50</td>
<td>61-185 mg/kg</td>
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</tbody>
</table>

#### Citric acid

<table>
<thead>
<tr>
<th>Route</th>
<th>Species</th>
<th>Effect(s)</th>
<th>Dose</th>
<th>End Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>Rat</td>
<td>LD50</td>
<td>3000 mg/kg</td>
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</tr>
</tbody>
</table>

#### Reproduction & Developmental Toxicity

<table>
<thead>
<tr>
<th>Route</th>
<th>Species</th>
<th>Effect(s)</th>
<th>Dose</th>
<th>End Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>Rat</td>
<td>LD50</td>
<td>42 mg/kg</td>
<td></td>
</tr>
</tbody>
</table>

#### Genetic Toxicity

<table>
<thead>
<tr>
<th>Route</th>
<th>Species</th>
<th>Effect(s)</th>
<th>Dose</th>
<th>End Point</th>
</tr>
</thead>
<tbody>
<tr>
<td>In Vitro</td>
<td>Salmonella</td>
<td>Negative</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Carcinogen Status

None of the components of this formulation are listed as a carcinogen by IARC, NTP or OSHA.

#### Menadione sodium bisulfite (Vitamin K)

<table>
<thead>
<tr>
<th>IARC:</th>
<th>Group 3 (Not Classifiable)</th>
</tr>
</thead>
</table>
SAFETY DATA SHEET

Material Name: VITAMINS & ELECTROLYTES w/ Stabilized C
Revision date: 02-Jun-2015

11. TOXICOLOGICAL INFORMATION

Product Level Toxicity Data
Acute Toxicity Estimate (ATE), oral >2000 mg/kg
Acute Toxicity Estimate (ATE), inhalation (dust/mist) >10 mg/l
Acute Toxicity Estimate (ATE), dermal >5000 mg/kg

12. ECOLOGICAL INFORMATION

Environmental Overview: Environmental properties of the formulation have not been investigated. Releases to the environment should be avoided.
Toxicity: No data available
Persistence and Degradability: No data available
Bio-accumulative Potential: No data available
Mobility in Soil: No data available

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods: Dispose of waste in accordance with all applicable laws and regulations. Member State specific and Community specific provisions must be considered. 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.

14. TRANSPORT INFORMATION

The following refers to all modes of transportation unless specified below.
Not regulated for transport under USDOT, EUADR, IATA, or IMDG regulations.

15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture
15. REGULATORY INFORMATION

**Canada - WHMIS: Classifications**

*WHMIS hazard class:*
- Class D, Division 2, Subdivision B
This product has been classified in accordance with the hazard criteria of the CPR and the SDS contains all of the information required by the CPR.

<table>
<thead>
<tr>
<th>Compound</th>
<th>CERCLA/SARA 313 Emission reporting</th>
<th>California Proposition 65</th>
<th>Inventory - United States TSCA - Sect. 8(b)</th>
<th>Australia (AICS):</th>
<th>EU EINECS/ELINCS List</th>
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</thead>
<tbody>
<tr>
<td>Sodium chloride</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Present</td>
<td>Present</td>
<td>231-598-3</td>
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<tr>
<td>Potassium Chloride</td>
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<td>Not Listed</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td></td>
</tr>
<tr>
<td>Citric acid</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Present</td>
<td>Present</td>
<td>201-069-1</td>
</tr>
<tr>
<td>Niacinamide</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Present</td>
<td>202-713-4</td>
</tr>
<tr>
<td>Riboflavin (Vitamin B2)</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Present</td>
<td>Present</td>
<td>201-507-1</td>
</tr>
<tr>
<td>Vitamin A</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>developmental toxicity initial date 7/1/89 in daily doses greater than 10,000 IU or 3,000 retinol equivalents. Retinol/retinyl esters are required and essential for maintenance of normal reproductive function. The recommended daily level during pregnancy is 8,000 IU.</td>
<td>Present</td>
<td></td>
</tr>
</tbody>
</table>

*Inventory - United States TSCA - Sect. 8(b) Present*

*Australia (AICS): Present*

*EU EINECS/ELINCS List Present*
15. REGULATORY INFORMATION

For Drugs and Poisons:

<table>
<thead>
<tr>
<th>Master Name</th>
<th>Inventory - United States TSCA - Sect. 8(b)</th>
<th>Australia (AICS):</th>
<th>EU EINECS/ELINCS List</th>
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<tbody>
<tr>
<td>Magnesium sulfate</td>
<td>Present</td>
<td>Present</td>
<td>231-298-2</td>
</tr>
<tr>
<td>Cholecalciferol (Vitamin D3)</td>
<td>Present</td>
<td>Present</td>
<td>200-673-2</td>
</tr>
<tr>
<td>Ascorbic acid (Vitamin C)</td>
<td>Present</td>
<td>Present</td>
<td>200-386-2</td>
</tr>
<tr>
<td>Pyridoxine Hydrochloride (Vitamin B6)</td>
<td>Present</td>
<td>Present</td>
<td>200-419-0</td>
</tr>
<tr>
<td>Folic Acid</td>
<td>Present</td>
<td>Present</td>
<td>200-419-0</td>
</tr>
<tr>
<td>Vitamin E acetate</td>
<td>Present</td>
<td>Present</td>
<td>231-710-0</td>
</tr>
<tr>
<td>Cholecalciferol (Vitamin D3)</td>
<td>Present</td>
<td>Present</td>
<td>200-673-2</td>
</tr>
<tr>
<td>Ascorbic acid (Vitamin C)</td>
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<td>Present</td>
<td>200-386-2</td>
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<td>Present</td>
<td>200-386-2</td>
</tr>
<tr>
<td>Pyridoxine Hydrochloride (Vitamin B6)</td>
<td>Present</td>
<td>Present</td>
<td>200-419-0</td>
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<tr>
<td>Folic Acid</td>
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<td>Cholecalciferol (Vitamin D3)</td>
<td>Present</td>
<td>Present</td>
<td>200-673-2</td>
</tr>
<tr>
<td>Ascorbic acid (Vitamin C)</td>
<td>Present</td>
<td>Present</td>
<td>200-386-2</td>
</tr>
</tbody>
</table>

EU EINECS/ELINCS List

200-683-7

EU EINECS/ELINCS List

200-673-2

EU EINECS/ELINCS List

200-673-2

EU Export and Import Restrictions (EC No. 689/2008):

Banned as a pesticide in the group of plant protection products
15. REGULATORY INFORMATION

<table>
<thead>
<tr>
<th>Material</th>
<th>CERCLA/SARA 313 Emission reporting</th>
<th>California Proposition 65</th>
<th>Inventory - United States TSCA - Sect. 8(b)</th>
<th>Australia (AICS)</th>
<th>EU EINECS/ELINCS List</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thiamine</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Present</td>
<td>Present</td>
<td>200-066-2</td>
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<tr>
<td>Pantothentic Acid</td>
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<tr>
<td>Cyanocobalamin (Vitamin B12)</td>
<td>Not Listed</td>
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<td>200-680-0</td>
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<tr>
<td>Menadione sodium bisulfite (Vitamin K)</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Present</td>
<td></td>
<td>Not Listed</td>
</tr>
<tr>
<td>Biotin</td>
<td>Not Listed</td>
<td>Not Listed</td>
<td>Present</td>
<td></td>
<td>200-399-3</td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION

Text of R phrases and GHS Classification abbreviations mentioned in Section 3

- Serious eye damage/eye irritation-Cat.2A; H319 - Causes serious eye irritation
- Acute toxicity, oral-Cat.3; H301 - Toxic if swallowed
- Acute toxicity, dermal-Cat.3; H311 - Toxic in contact with skin
- Acute toxicity, inhalation-Cat.2; H330 - Fatal if inhaled
- Specific target organ toxicity, repeated exposure-Cat.1; H372 - Causes damage to organs through prolonged or repeated exposure

T+ - Very toxic
T - Toxic
R26 - Very toxic by inhalation.
R24/25 - Toxic in contact with skin and if swallowed.
R48/25 - Toxic: danger of serious damage to health by prolonged exposure if swallowed.

Data Sources: The data contained in this SDS may have been gathered from confidential internal sources, raw material suppliers, or from the published literature.

Reasons for Revision: Updated Section 1 - Identification of the Substance/Preparation and the Company/Undertaking. Updated Section 2 - Hazard Identification. Updated Section 3 - Composition / Information on Ingredients. Updated Section 5 - Fire Fighting Measures. Updated Section 6 - Accidental Release Measures. Updated Section 7 - Handling and Storage. Updated Section 8 - Exposure Controls / Personal Protection. Updated Section 11 - Toxicology Information.

Prepared by: Toxicology and Hazard Communication
Zoetis Global Risk Management

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End of Safety Data Sheet