

## 1. Identification

|                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product identifier</b>                                     | <b>CENTRUM GLP-1 REPLENISHMENT (FN-2476-0001)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Other means of identification</b>                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Product code</b>                                           | WH-2476-0001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Synonyms</b>                                               | WH-2476-0001                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Recommended use</b>                                        | This safety data sheet is written to provide health, safety and environmental information for people handling this formulated product in the workplace. It is not intended to provide information relevant to medicinal use of the product. In this instance patients should consult prescribing information/package insert/product label or consult their pharmacist or physician. For health and safety information for individual ingredients used during manufacturing, refer to the appropriate safety data sheet for each ingredient. |
|                                                               | Consumer Healthcare Product                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                                                               | Dietary Supplement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Recommended restrictions</b>                               | No other uses are advised.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Manufacturer/Importer/Supplier/Distributor information</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

|                     |                                                            |
|---------------------|------------------------------------------------------------|
| <b>COMPANY NAME</b> | Haleon PLC                                                 |
| <b>Address:</b>     | 184 Liberty Corner Road, Suite 200<br>Warren, NJ 07059 USA |
| <b>Telephone:</b>   | +1-908-293-4000 (General Inquiries)                        |
| <b>Email:</b>       | msds@haleon.com                                            |
| <b>Website:</b>     | www.haleon.com                                             |

## EMERGENCY CONTACTS

|                         |                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------|
|                         | 3E GLOBAL INCIDENT RESPONSE                                                                                               |
| <b>Telephone:</b>       | +(1) 760 476 3971 (In country)<br>+(1) 760 476 3962 or +(1) 866 519 4752 (International)<br>24/7; multi-language response |
| <b>Contract Number:</b> | 335879                                                                                                                    |

## 2. Hazard(s) identification

|                                |                                                                                                                                              |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Physical hazards</b>        | Not classified.                                                                                                                              |
| <b>Health hazards</b>          | Not classified.                                                                                                                              |
| <b>Environmental hazards</b>   | Hazardous to the aquatic environment, acute hazard      Category 3<br>Hazardous to the aquatic environment, long-term hazard      Category 3 |
| <b>OSHA defined hazards</b>    | Not classified.                                                                                                                              |
| <b>Label elements</b>          |                                                                                                                                              |
| <b>Hazard symbol</b>           | None.                                                                                                                                        |
| <b>Signal word</b>             | None.                                                                                                                                        |
| <b>Hazard statement</b>        | Harmful to aquatic life. Harmful to aquatic life with long lasting effects.                                                                  |
| <b>Precautionary statement</b> |                                                                                                                                              |
| <b>Prevention</b>              | Avoid release to the environment.                                                                                                            |
| <b>Response</b>                | Not available.                                                                                                                               |
| <b>Storage</b>                 | Not available.                                                                                                                               |
| <b>Disposal</b>                | Dispose of contents/container in accordance with local/regional/national/international regulations.                                          |

**Hazard(s) not otherwise classified (HNOC)**

None known.

**Supplemental information**

36.1848% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 36.1848% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.

### 3. Composition/information on ingredients

**Mixtures**

| Chemical name                 | Common name and synonyms                                                                                                                                                                                                                                                                                                                                                              | CAS number | %         |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------|
| CALCIUM CARBONATE             | CARBONIC ACID, CALCIUM SALT<br>CALCIUM MONOCARBONATE<br>PRECIPITATED CALCIUM CARBONATE<br>CHALK                                                                                                                                                                                                                                                                                       | 471-34-1   | 40 - < 50 |
| CALCIUM PHOSPHATE, DIBASIC    | CALCIUM ACID PHOSPHATE<br>CALCIUM HYDROGEN<br>ORTHOPHOSPHATE<br>CALCIUM HYDROGEN PHOSPHATE<br>CALCIUM MONOHYDROGEN<br>PHOSPHATE<br>CALCIUM ORTHOPHOSPHATE<br>(CAHPO <sub>4</sub> )<br>DIBASIC CALCIUM PHOSPHATE<br>DICALCIUM ORTHOPHOSPHATE<br>DICALCIUM PHOSPHATE<br>MONOCALCIUM ACID PHOSPHATE<br>CALCIUM PHOSPHATE                                                                 | 7757-93-9  | 5 - < 10  |
| L-ASCORBIC ACID               | VITAMIN C<br>L-XYLOASCORBIC ACID<br>ASCORBUTINA<br>ANTISCORBUTIC VITAMIN<br>CEVITAMIC ACID<br>ASCORIN<br>(+)-ASCORBIC ACID<br>L-(+)-ASCORBIC ACID<br>L-LYXOASCORBIC ACID<br>3-KETO-L-GULO-FURANOLACTONE<br>L-THREO-HEX-2-ENONIC ACID,<br>GAMA-LACTONE<br>L-3-KETOTHREOHEXURONIC ACID<br>LACTONE<br>3-OXO-L-GULO-FURANOLACTONE                                                         | 50-81-7    | 5 - < 10  |
| MICROCRYSTALLINE<br>CELLULOSE | AVICEL PH MICROCRYSTALLINE<br>CELLULOSE<br>ALPHA-CELLULOSE<br>AVICEL PH101<br>AVICEL PH102<br>AVICEL PH103<br>AVICEL PH105<br>AVICEL PH112<br>AVICEL PH200<br>AVICEL 1030W<br>CELLULOSE (8CI9CI)<br>CELLULOSE CRYSTALLINE<br>CELLULOSE, FOOD GRADE<br>CELPHERE CP203<br>CEOLUS KG-802<br>CRYSTALLINE CELLULOSE<br>VIVAPUR<br>VIVAPUR 101<br>VIVAPUR 102<br>VIVAPUR 112<br>VIVAPUR 200 | 9004-34-6  | 5 - < 10  |

| Chemical name        | Common name and synonyms                                                                                                                                                                                                                                                                                                            | CAS number | %        |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------|
| STARCH               | ARROWROOT STARCH<br>CORN STARCH<br>CORN STARCH 400-L NF<br>MAIZE STARCH<br>POTATO STARCH<br>PREGELATINIZED STARCH NF<br>RICE STARCH<br>STARCH 1500                                                                                                                                                                                  | 9005-25-8  | 5 - < 10 |
| MAGNESIUM OXIDE      | GI197895X<br>MAGNESIA<br>MAGNESIUM MONOXIDE<br>CALCINED MAGNESIA<br>CALCINATED MAGNESIA<br>CAUSTIC MAGNESITE<br>MAGNESA PREPRATA<br>MAGNESIUM (II) OXIDE<br>SYNTHETIC PERICLASE<br>BURNT MAGNESIA<br>LIGHT MAGNESIA<br>OXIDO DE MAGNESIO<br>ÓXIDO DE MAGNESIO,                                                                      | 1309-48-4  | 1 - < 3  |
| NICOTINAMIDE         | AMINICOTIN<br>3-CARBOAMOYLPYRIDINE<br>NIACINAMIDE<br>NICOTONIC AMIDE<br>VITAMIN B3                                                                                                                                                                                                                                                  | 98-92-0    | 1 - < 3  |
| POLYVINYLPIRROLIDONE | 1-ETHENYL-2-PYRROLIDINONE<br>HOMOPOLYMER<br>2-PYRROLIDINONE, 1-ETHENYL,<br>HOMOPOLYMER<br>CROSPVIDONE<br>KOLLIDON 25<br>KOLLIDON 30<br>PLASDONE<br>PLASDONE K29/32<br>POLY(N-VINYLPYRROLIDONE)<br>POLY[1-(2-OXO-1-PYRROLIDINYL)ETH<br>YLENE] Polyplasdone XL<br>POLYVINYLPIRROLIDONE<br>POVIDONE<br>POVIDONE 30<br>PROVIDONE<br>PVP | 9003-39-8  | 1 - < 3  |
| SILICON DIOXIDE      | SILICA<br>SILICA GEL<br>AMORPHOUS SILICA<br>DIATOMACEOUS EARTH<br>SIDENT<br>COLLOIDAL SILICON DIOXIDE<br>SILICON DIOXIDE, CRYSTALLINE<br>SILICON DIOXIDE, AMORPHOUS<br>SILICA, AMORPHOUS HYDRATED                                                                                                                                   | 7631-86-9  | 1 - < 3  |
| MAGNESIUM STEARATE   | STEARIC ACID, MAGNESIUM SALT<br>MAGNESIUM DISTEARATE<br>DIBASIC MAGNESIUM STEARATE<br>MAGNESIUM DISTEARATE, PURE                                                                                                                                                                                                                    | 557-04-0   | < 1      |
| MANGANESE SULFATE    | MANGANESE SULPHATE<br>MANGANESE MONOSULFATE<br>MANGANESE(II) SULFATE<br>MANGANESE(II) SULPHATE<br>MANGANESE SULFATE (1:1)<br>MANGANESE SULFATE (MnSO4)<br>MANGANESE(2+) SULFATE (1:1)<br>MANGANESE(2+) SULFATE (MnSO4)<br>SULFURIC ACID, MANGANESE(2+) SAL<br>T OHS13650<br>RTECS OP1050000                                         | 7785-87-7  | < 1      |

| Chemical name                   | Common name and synonyms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | CAS number | %   |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----|
| POLYETHYLENE GLYCOL<br>(LIQUID) | ALPHA-HYDRO-OMEGA-HYDROXY-PO<br>LY(OXY-1,2-ETHANEDIYL)<br>ETHYLENE GLYCOL HOMOPOLYMER<br>ETHYLENE GLYCOL POLYMER<br>GLYCOLS, POLYETHYLENE<br>PEG<br>PEG 1000<br>PEG 1450<br>PEG 200<br>PEG 300<br>PEG 400<br>PEG 4000<br>PEG 600<br>PEG 6000<br>POLY(ETHYLENE ETHER)GLYCOL<br>POLY(OXY-1,2-ETHANEDIYL),<br>.ALPHA.-HYDRO.-OMEGA.<br>POLYETHYLENE GLYCOL<br>POLYETHYLENE GLYCOL 1000<br>POLYETHYLENE GLYCOL 1450<br>POLYETHYLENE GLYCOL 200<br>POLYETHYLENE GLYCOL 300<br>POLYETHYLENE GLYCOL 400<br>POLYETHYLENE GLYCOL 4000<br>POLYETHYLENE GLYCOL 600<br>POLYETHYLENE GLYCOL 6000<br>POLYETHYLENGLYKOLE (PEG)<br>(MOLMASSE 200-600)<br>RTECS TQ3630000 | 25322-68-3 | < 1 |
| PYRIDOXINE HYDROCHLORIDE        | 5-HYDROXY-6-METHYL-3,4-PYRIDINED<br>IMETHANOL, HYDROCHLORIDE<br>PYRIDOXOL, HYDROCHLORIDE<br>PYRIDOXINE HYDROGEN CHLORIDE<br>PYRIDOXINE MONOHYDROCHLORIDE<br>VITAMIN B6 HYDROCHLORIDE                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 58-56-0    | < 1 |

| Chemical name                | Common name and synonyms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | CAS number | %     |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------|
| TALC, NON-ASBESTOS FORM      | AGALITE<br>CIRCRON MP<br>CRYSTALITE CRS 6002<br>CROWN TALC W 83<br>CROWN TALC Z<br>CUBIC MASTER<br>DESERTALC 57<br>EMTAL 500<br>EMTAL 549<br>EMTAL 596<br>EMTAL 599<br>FIBRENE C 400<br>FINNTALC PF<br>IT EXTRA<br>MICRO ACE K1<br>MICRO ACE L1<br>MICRON WHITE 5000A<br>MICRON WHITE 5000P<br>MICRON WHITE 5000S<br>MICROTALCO IT EXTRA<br>MISTRON FROST P<br>MISTRON STAR<br>MISTRON SUPER FROST<br>MUSSOLINITE<br>NYTAL 200<br>NYTAL 400<br>POLYTAL 4641<br>POLYTAL 4725<br>SILICATE: TALC, CONTAINING NO<br>ASBESTOS (OSHA)<br>STEAWHITE<br>SUPREME<br>TALC (ACGIH)<br>TALCAN PK-P<br>TALCRON CP 44-31<br>TALCUM<br>TALC - NON-ASBESTOS FORM | 14807-96-6 | < 1   |
| TITANIUM DIOXIDE             | TITANIUM OXIDE<br>TITANIUM(IV) OXIDE<br>TITANIUM PEROXIDE (TiO2)<br>PIGMENT WHITE 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 13463-67-7 | < 1   |
| ZINC OXIDE                   | ZINC MONOXIDE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1314-13-2  | < 1   |
| RIBOFLAVIN                   | RIBOFLAVINE<br>VITAMIN B2<br>VITAMIN G<br>FOOD YELLOW 15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 83-88-5    | < 0.2 |
| BETA-CAROTENE                | BETA, BETA-CAROTENE<br>β,β-carotene<br>PROVITAMIN A<br>CI FOOD ORANGE 5<br>FOOD ORANGE 5<br>NATURAL YELLOW 26<br>C.I. Food Orange 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 7235-40-7  | < 0.1 |
| BIOTIN                       | VITAMIN B7<br>VITAMIN H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 58-85-5    | < 0.1 |
| CHOLECALCIFEROL (VITAMIN D3) | CALCIOL<br>VITAMIN D3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 67-97-0    | < 0.1 |
| CYANOCOBALAMIN               | VITAMIN B12<br>B-12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 68-19-9    | < 0.1 |
| FOLIC ACID                   | BP-864<br>N-(4-(((2-AMINO-1,4-DIHYDRO-4-OXO-6-<br>-PTERIDINYL)METHYL)AMINO)BENZOY<br>L)-L -GLUTAMIC ACID<br>PTEROYL-L-GLUTAMIC ACID<br>PTEROYL-L-MONOGLUTAMIC ACID<br>PGA                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 59-30-3    | < 0.1 |

| Chemical name                            | Common name and synonyms                                                                                                                                                                                                                                                                                                                                                                                                  | CAS number | %        |
|------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------|
| PHYLLOQUINONE                            | PHYTONADIONE<br>VITAMIN K1<br>2-METHYL-3-(3,7,11,15-TETRAMETHYL-2-HEXADECENYL)-1,4-NAPHTHALENE DIONE 2',3'-TRANS-VITAMIN K1<br>2-METHYL-3-PHYTYL-1,4-NAPHTHOQUINONE 3-PHYTYLMENADIONE<br>ALPHA-PHYLLOQUINONE<br>ANTIHEMORRHAGIC VITAMIN<br>AQUAMEPHYTON<br>PHYTOMENADIONE<br>PHYTYLMENADIONE<br>SYNTHEX P<br>TRANS-PHYLLOQUINONE<br>VITAMIN K1 (20)<br>COMBINAL K1<br>K-JECT<br>KATIV N<br>KINADION<br>KONAKION<br>BP-872 | 84-80-0    | < 0.1    |
| POTASSIUM IODIDE                         | POTASSIUM MONIODIDE<br>IODIC ACID, POTASSIUM SALT                                                                                                                                                                                                                                                                                                                                                                         | 7681-11-0  | < 0.1    |
| SODIUM MOLYBDATE                         |                                                                                                                                                                                                                                                                                                                                                                                                                           | 7631-95-0  | < 0.1    |
| SODIUM SELENATE                          | SELENIC ACID, SODIUM SALT<br>SELENIC ACID, DISODIUM SALT<br>DISODIUM SELENATE<br>P-40<br>SEL-TOX SSO2                                                                                                                                                                                                                                                                                                                     | 13410-01-0 | < 0.1    |
| VITAMIN A ACETATE                        | RETINYLACETAT<br>RETINOL ACETATE                                                                                                                                                                                                                                                                                                                                                                                          | 127-47-9   | < 0.1    |
| Other components below reportable levels |                                                                                                                                                                                                                                                                                                                                                                                                                           |            | 5 - < 10 |

#### 4. First-aid measures

|                                                                               |                                                                                                                  |
|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation</b>                                                             | Move to fresh air. Call a physician if symptoms develop or persist.                                              |
| <b>Skin contact</b>                                                           | Wash off with soap and water. Get medical attention if irritation develops and persists.                         |
| <b>Eye contact</b>                                                            | Rinse with water. Get medical attention if irritation develops and persists.                                     |
| <b>Ingestion</b>                                                              | Rinse mouth. Get medical attention if symptoms occur.                                                            |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Coughing.                                                                                                        |
| <b>Indication of immediate medical attention and special treatment needed</b> | Treat symptomatically.                                                                                           |
| <b>General information</b>                                                    | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. |

#### 5. Fire-fighting measures

|                                                                      |                                                                                               |
|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>Suitable extinguishing media</b>                                  | Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).                                   |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.                        |
| <b>Specific hazards arising from the chemical</b>                    | During fire, gases hazardous to health may be formed.                                         |
| <b>Special protective equipment and precautions for firefighters</b> | Self-contained breathing apparatus and full protective clothing must be worn in case of fire. |
| <b>Fire fighting equipment/instructions</b>                          | Move containers from fire area if you can do so without risk.                                 |
| <b>Specific methods</b>                                              | Use standard firefighting procedures and consider the hazards of other involved materials.    |
| <b>General fire hazards</b>                                          | No unusual fire or explosion hazards noted.                                                   |

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

### Methods and materials for containment and cleaning up

Prevent product from entering drains. Stop the flow of material, if this is without risk. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.

### Environmental precautions

Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

### Precautions for safe handling

Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

### Conditions for safe storage, including any incompatibilities

Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

#### Haleon Exposure Limits Components

| Components                                 | Type     | Value        | Form                         |
|--------------------------------------------|----------|--------------|------------------------------|
| BETA-CAROTENE (CAS 7235-40-7)              | OHC      | 2            | >100 - ≤1000 mcg/m3<br>SKIN  |
| BIOTIN (CAS 58-85-5)                       | OHC      | 1            |                              |
| CALCIUM CARBONATE (CAS 471-34-1)           | OHC      | 1            | >1000 - ≤5000 mcg/m3         |
| CALCIUM PHOSPHATE, DIBASIC (CAS 7757-93-9) | OHC      | 1            |                              |
| CHOLECALCIFEROL (VITAMIN D3) (CAS 67-97-0) | 8 HR TWA | 0.2 mcg/m3   | SKIN                         |
|                                            | OHC      | 5            | SKIN                         |
| CYANOCOBALAMIN (CAS 68-19-9)               | 8 HR TWA | 5 mg/m3      |                              |
|                                            | OHC      | 1            |                              |
| FOLIC ACID (CAS 59-30-3)                   | OHC      | 3            | >10 - ≤100 mcg/m3            |
| L-ASCORBIC ACID (CAS 50-81-7)              | 8 HR TWA | 5000 mcg/m3  |                              |
|                                            | OHC      | 1            |                              |
|                                            | PDE      | 8000 mcg/day | Parenteral, inhalation, oral |
| MAGNESIUM OXIDE (CAS 1309-48-4)            | OHC      | 1            |                              |
| MANGANESE SULFATE (CAS 7785-87-7)          | OHC      | 3            |                              |
| NICOTINAMIDE (CAS 98-92-0)                 | 8 HR TWA | 1000 mcg/m3  |                              |
|                                            | OHC      | 1            |                              |
| PHYLLLOQUINONE (CAS 84-80-0)               | 8 HR TWA | 20 mcg/m3    |                              |
|                                            | OHC      | 3            |                              |
|                                            | PDE      | 110 mcg/day  |                              |
| POTASSIUM IODIDE (CAS 7681-11-0)           | OHC      | 3            | REPRODUCTIVE<br>HAZARD       |
|                                            |          | 3            | PROVISIONAL                  |

**Haleon Exposure Limits**

| Components                                   | Type     | Value      | Form                   |
|----------------------------------------------|----------|------------|------------------------|
| PYRIDOXINE<br>HYDROCHLORIDE (CAS<br>58-56-0) | 8 HR TWA | 400 mcg/m3 |                        |
|                                              | OHC      | 2          |                        |
| RIBOFLAVIN (CAS<br>83-88-5)                  | OHC      | 1          | >1000 - <=5000 mcg/m3  |
| VITAMIN A ACETATE (CAS<br>127-47-9)          | OHC      | 3          | >10 - ≤100 mcg/m3 SKIN |
| ZINC OXIDE (CAS<br>1314-13-2)                | OHC      | 2          |                        |

**US. OSHA Table Z-1 Permissible Exposure Limits (PEL) for Air Contaminants (29 CFR 1910.1000)**

| Components                                       | Type    | Value     | Form                 |
|--------------------------------------------------|---------|-----------|----------------------|
| CALCIUM CARBONATE<br>(CAS 471-34-1)              | PEL     | 5 mg/m3   | Respirable fraction. |
|                                                  |         | 15 mg/m3  | Total dust.          |
| MAGNESIUM OXIDE (CAS<br>1309-48-4)               | PEL     | 15 mg/m3  | Total particulate.   |
| MANGANESE SULFATE<br>(CAS 7785-87-7)             | Ceiling | 5 mg/m3   |                      |
| MICROCRYSTALLINE<br>CELLULOSE (CAS<br>9004-34-6) | PEL     | 5 mg/m3   | Respirable fraction. |
|                                                  |         | 15 mg/m3  | Total dust.          |
| SODIUM MOLYBDATE<br>(CAS 7631-95-0)              | PEL     | 5 mg/m3   |                      |
| SODIUM SELENATE (CAS<br>13410-01-0)              | PEL     | 0.2 mg/m3 |                      |
| STARCH (CAS 9005-25-8)                           | PEL     | 5 mg/m3   | Respirable fraction. |
|                                                  |         | 15 mg/m3  | Total dust.          |
| TITANIUM DIOXIDE (CAS<br>13463-67-7)             | PEL     | 15 mg/m3  | Total dust.          |
| ZINC OXIDE (CAS<br>1314-13-2)                    | PEL     | 5 mg/m3   | Respirable fraction. |
|                                                  |         | 5 mg/m3   | Fume.                |
|                                                  |         | 15 mg/m3  | Total dust.          |

**US. OSHA Table Z-3 Permissible Exposure Limits (PEL) for Mineral Dusts (29 CFR 1910.1000)**

| Components                                  | Type | Value     | Form                 |
|---------------------------------------------|------|-----------|----------------------|
| MAGNESIUM OXIDE (CAS<br>1309-48-4)          | TWA  | 5 mg/m3   | Respirable fraction. |
|                                             |      | 15 mg/m3  | Total dust.          |
|                                             |      | 50 mppcf  | Total dust.          |
|                                             |      | 15 mppcf  | Respirable fraction. |
| SILICON DIOXIDE (CAS<br>7631-86-9)          | TWA  | 0.8 mg/m3 |                      |
|                                             |      | 20 mppcf  |                      |
| TALC, NON-ASBESTOS<br>FORM (CAS 14807-96-6) | TWA  | 0.1 mg/m3 | Respirable.          |
|                                             |      | 20 mppcf  |                      |
|                                             |      | 2.4 mppcf | Respirable.          |
| TITANIUM DIOXIDE (CAS<br>13463-67-7)        | TWA  | 5 mg/m3   | Respirable fraction. |
|                                             |      | 15 mg/m3  | Total dust.          |
|                                             |      | 50 mppcf  | Total dust.          |
|                                             |      | 15 mppcf  | Respirable fraction. |

**US. ACGIH Threshold Limit Values (TLV)**

| Components                                 | Type | Value      | Form                           |
|--------------------------------------------|------|------------|--------------------------------|
| MAGNESIUM OXIDE (CAS 1309-48-4)            | TWA  | 10 mg/m3   | Inhalable fraction.            |
| MAGNESIUM STEARATE (CAS 557-04-0)          | TWA  | 3 mg/m3    | Respirable fraction.           |
|                                            |      | 10 mg/m3   | Inhalable fraction.            |
| MANGANESE SULFATE (CAS 7785-87-7)          | TWA  | 0.1 mg/m3  | Inhalable fraction.            |
|                                            |      | 0.02 mg/m3 | Respirable fraction.           |
| MICROCRYSTALLINE CELLULOSE (CAS 9004-34-6) | TWA  | 10 mg/m3   |                                |
| POTASSIUM IODIDE (CAS 7681-11-0)           | TWA  | 0.01 ppm   | Inhalable fraction and vapor.  |
| SODIUM MOLYBDATE (CAS 7631-95-0)           | TWA  | 0.5 mg/m3  | Respirable fraction.           |
| SODIUM SELENATE (CAS 13410-01-0)           | TWA  | 0.2 mg/m3  |                                |
| STARCH (CAS 9005-25-8)                     | TWA  | 10 mg/m3   |                                |
| TALC, NON-ASBESTOS FORM (CAS 14807-96-6)   | TWA  | 2 mg/m3    | Respirable fraction.           |
| TITANIUM DIOXIDE (CAS 13463-67-7)          | TWA  | 2.5 mg/m3  | Respirable finescale particles |
|                                            |      | 0.2 mg/m3  | Respirable nanoscale particles |
| ZINC OXIDE (CAS 1314-13-2)                 | STEL | 10 mg/m3   | Respirable fraction.           |
|                                            | TWA  | 2 mg/m3    | Respirable fraction.           |

**US. NIOSH: Pocket Guide to Chemical Hazards Recommended Exposure Limits (REL)**

| Components                                 | Type    | Value     | Form        |
|--------------------------------------------|---------|-----------|-------------|
| CALCIUM CARBONATE (CAS 471-34-1)           | TWA     | 5 mg/m3   | Respirable. |
|                                            |         | 10 mg/m3  | Total       |
| MANGANESE SULFATE (CAS 7785-87-7)          | STEL    | 3 mg/m3   | Fume.       |
|                                            | TWA     | 1 mg/m3   | Fume.       |
| MICROCRYSTALLINE CELLULOSE (CAS 9004-34-6) | TWA     | 5 mg/m3   | Respirable. |
|                                            |         | 10 mg/m3  | Total       |
| SILICON DIOXIDE (CAS 7631-86-9)            | TWA     | 6 mg/m3   |             |
| SODIUM SELENATE (CAS 13410-01-0)           | TWA     | 0.2 mg/m3 |             |
| STARCH (CAS 9005-25-8)                     | TWA     | 5 mg/m3   | Respirable. |
|                                            |         | 10 mg/m3  | Total       |
| TALC, NON-ASBESTOS FORM (CAS 14807-96-6)   | TWA     | 2 mg/m3   | Respirable. |
| ZINC OXIDE (CAS 1314-13-2)                 | Ceiling | 15 mg/m3  | Dust.       |
|                                            | STEL    | 10 mg/m3  | Fume.       |
|                                            | TWA     | 5 mg/m3   | Fume.       |
|                                            |         | 5 mg/m3   | Dust.       |

**US. OARS. Workplace Environmental Exposure Level (WEEL) Guide**

| Components                                    | Type | Value    | Form     |
|-----------------------------------------------|------|----------|----------|
| POLYETHYLENE GLYCOL (LIQUID) (CAS 25322-68-3) | TWA  | 10 mg/m3 | Aerosol. |

|                                                                              |                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Biological limit values</b>                                               | No biological exposure limits noted for the ingredient(s).                                                                                                                                                                                                                                                                                                |
| <b>Appropriate engineering controls</b>                                      | Good general ventilation 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. |
| <b>Individual protection measures, such as personal protective equipment</b> |                                                                                                                                                                                                                                                                                                                                                           |
| <b>Eye/face protection</b>                                                   | Wear safety glasses with side shields (or goggles).                                                                                                                                                                                                                                                                                                       |
| <b>Skin protection</b>                                                       |                                                                                                                                                                                                                                                                                                                                                           |
| <b>Hand protection</b>                                                       | Wear appropriate chemical resistant gloves.                                                                                                                                                                                                                                                                                                               |
| <b>Other</b>                                                                 | Wear suitable protective clothing.                                                                                                                                                                                                                                                                                                                        |
| <b>Respiratory protection</b>                                                | In case of insufficient ventilation, wear suitable respiratory equipment.                                                                                                                                                                                                                                                                                 |
| <b>Thermal hazards</b>                                                       | Wear appropriate thermal protective clothing, when necessary.                                                                                                                                                                                                                                                                                             |
| <b>General hygiene considerations</b>                                        | 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.                                                                                                                                     |

## 9. Physical and chemical properties

### Appearance

|                                                |                |
|------------------------------------------------|----------------|
| <b>Physical state</b>                          | Solid.         |
| <b>Form</b>                                    | Tablet.        |
| <b>Color</b>                                   | Pink. Purple.  |
| <b>Odor</b>                                    | Not available. |
| <b>Odor threshold</b>                          | Not available. |
| <b>pH</b>                                      | Not available. |
| <b>Melting point/freezing point</b>            | Not available. |
| <b>Initial boiling point and boiling range</b> | Not available. |
| <b>Flash point</b>                             | Not available. |
| <b>Evaporation rate</b>                        | Not available. |
| <b>Flammability (solid, gas)</b>               | Not available. |

### Upper/lower flammability or explosive limits

|                                    |                |
|------------------------------------|----------------|
| <b>Explosive limit - lower (%)</b> | Not available. |
| <b>Explosive limit - upper (%)</b> | Not available. |

|                         |                |
|-------------------------|----------------|
| <b>Vapor pressure</b>   | Not available. |
| <b>Vapor density</b>    | Not available. |
| <b>Relative density</b> | Not available. |

|                           |                |
|---------------------------|----------------|
| <b>Solubility(ies)</b>    |                |
| <b>Solubility (water)</b> | Not available. |

|                                                |                |
|------------------------------------------------|----------------|
| <b>Partition coefficient (n-octanol/water)</b> | Not available. |
|------------------------------------------------|----------------|

|                                  |                |
|----------------------------------|----------------|
| <b>Auto-ignition temperature</b> | Not available. |
|----------------------------------|----------------|

|                                  |                |
|----------------------------------|----------------|
| <b>Decomposition temperature</b> | Not available. |
|----------------------------------|----------------|

|                  |                |
|------------------|----------------|
| <b>Viscosity</b> | Not available. |
|------------------|----------------|

### Other information

|                             |                |
|-----------------------------|----------------|
| <b>Explosive properties</b> | Not explosive. |
| <b>Oxidizing properties</b> | Not oxidizing. |

## 10. Stability and reactivity

|                   |                                                                                               |
|-------------------|-----------------------------------------------------------------------------------------------|
| <b>Reactivity</b> | The product is stable and non-reactive under normal conditions of use, storage and transport. |
|-------------------|-----------------------------------------------------------------------------------------------|

|                           |                                             |
|---------------------------|---------------------------------------------|
| <b>Chemical stability</b> | Material is stable under normal conditions. |
|---------------------------|---------------------------------------------|

|                                           |                                                             |
|-------------------------------------------|-------------------------------------------------------------|
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use. |
|-------------------------------------------|-------------------------------------------------------------|

|                            |                                      |
|----------------------------|--------------------------------------|
| <b>Conditions to avoid</b> | Contact with incompatible materials. |
|----------------------------|--------------------------------------|

|                               |                                    |
|-------------------------------|------------------------------------|
| <b>Incompatible materials</b> | Strong oxidizing agents. Fluorine. |
|-------------------------------|------------------------------------|

**Hazardous decomposition products**      No hazardous decomposition products are known.

## 11. Toxicological information

### Information on likely routes of exposure

|                     |                                                          |
|---------------------|----------------------------------------------------------|
| <b>Inhalation</b>   | Prolonged inhalation may be harmful.                     |
| <b>Skin contact</b> | No adverse effects due to skin contact are expected.     |
| <b>Eye contact</b>  | Direct contact with eyes may cause temporary irritation. |
| <b>Ingestion</b>    | Expected to be a low ingestion hazard.                   |

**Symptoms related to the physical, chemical and toxicological characteristics**      Coughing.

### Information on toxicological effects

**Acute toxicity**      Not known.

| Components                                 | Species | Test Results            |
|--------------------------------------------|---------|-------------------------|
| BIOTIN (CAS 58-85-5)                       |         |                         |
| <u><b>Acute</b></u>                        |         |                         |
| <b>Oral</b>                                |         |                         |
| LD50                                       | Mouse   | > 10 g/kg               |
| CALCIUM CARBONATE (CAS 471-34-1)           |         |                         |
| <u><b>Acute</b></u>                        |         |                         |
| <b>Oral</b>                                |         |                         |
| LD50                                       | Rat     | 6450 mg/kg              |
| CALCIUM PHOSPHATE, DIBASIC (CAS 7757-93-9) |         |                         |
| <u><b>Acute</b></u>                        |         |                         |
| <b>Dermal</b>                              |         |                         |
| LD50                                       | Rabbit  | > 7940 mg/kg            |
| <b>Oral</b>                                |         |                         |
| LD50                                       | Rat     | > 10 g/kg               |
| CHOLECALCIFEROL (VITAMIN D3) (CAS 67-97-0) |         |                         |
| <u><b>Acute</b></u>                        |         |                         |
| <b>Dermal</b>                              |         |                         |
| LD50                                       | Rat     | 61 mg/kg                |
| <b>Oral</b>                                |         |                         |
| LD50                                       | Dog     | 80 mg/kg ; RTECS data   |
|                                            | Mouse   | 42.5 mg/kg ; RTECS data |
|                                            | Rat     | 42 mg/kg ; RTECS data   |
| FOLIC ACID (CAS 59-30-3)                   |         |                         |
| <u><b>Acute</b></u>                        |         |                         |
| <b>Oral</b>                                |         |                         |
| LD50                                       | Mouse   | 10000 mg/kg             |
| L-ASCORBIC ACID (CAS 50-81-7)              |         |                         |
| <u><b>Acute</b></u>                        |         |                         |
| <b>Oral</b>                                |         |                         |
| LD50                                       | Rat     | 11.9 g/kg               |
| <u><b>Subchronic</b></u>                   |         |                         |
| <b>Oral</b>                                |         |                         |
| NOAEL                                      | Rat     | 2000 mg/kg/day          |
| MICROCRYSTALLINE CELLULOSE (CAS 9004-34-6) |         |                         |
| <u><b>Acute</b></u>                        |         |                         |
| <b>Dermal</b>                              |         |                         |
| LD50                                       | Rabbit  | > 2000 mg/kg            |

| Components                                    | Species | Test Results                                                                                                                                      |
|-----------------------------------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Oral</b>                                   |         |                                                                                                                                                   |
| LD50                                          | Rat     | > 2000 mg/kg                                                                                                                                      |
| NICOTINAMIDE (CAS 98-92-0)                    |         |                                                                                                                                                   |
| <b><u>Acute</u></b>                           |         |                                                                                                                                                   |
| <b>Dermal</b>                                 |         |                                                                                                                                                   |
| LD50                                          | Rabbit  | > 2000 mg/kg                                                                                                                                      |
| <b>Oral</b>                                   |         |                                                                                                                                                   |
| LD50                                          | Rat     | > 2500 mg/kg                                                                                                                                      |
| POLYETHYLENE GLYCOL (LIQUID) (CAS 25322-68-3) |         |                                                                                                                                                   |
| <b><u>Acute</u></b>                           |         |                                                                                                                                                   |
| <b>Oral</b>                                   |         |                                                                                                                                                   |
| LD50                                          | Rat     | > 20 g/kg                                                                                                                                         |
| POLYVINYLPIRROLIDONE (CAS 9003-39-8)          |         |                                                                                                                                                   |
| <b><u>Acute</u></b>                           |         |                                                                                                                                                   |
| <b>Oral</b>                                   |         |                                                                                                                                                   |
| LD50                                          | Rat     | > 5000 mg/kg                                                                                                                                      |
| PYRIDOXINE HYDROCHLORIDE (CAS 58-56-0)        |         |                                                                                                                                                   |
| <b><u>Acute</u></b>                           |         |                                                                                                                                                   |
| <b>Oral</b>                                   |         |                                                                                                                                                   |
| LD50                                          | Rat     | 4000 mg/kg                                                                                                                                        |
| RIBOFLAVIN (CAS 83-88-5)                      |         |                                                                                                                                                   |
| <b><u>Acute</u></b>                           |         |                                                                                                                                                   |
| <b>Oral</b>                                   |         |                                                                                                                                                   |
| LD50                                          | Rat     | > 10 g/kg                                                                                                                                         |
| SODIUM SELENATE (CAS 13410-01-0)              |         |                                                                                                                                                   |
| <b><u>Acute</u></b>                           |         |                                                                                                                                                   |
| <b>Inhalation</b>                             |         |                                                                                                                                                   |
| <i>Dust</i>                                   |         |                                                                                                                                                   |
| LC50                                          | Rat     | 0.052 - 0.51 mg/L, 4 hours                                                                                                                        |
| <b>Oral</b>                                   |         |                                                                                                                                                   |
| LD50                                          | Rat     | 7 mg/kg                                                                                                                                           |
| TALC, NON-ASBESTOS FORM (CAS 14807-96-6)      |         |                                                                                                                                                   |
| <b><u>Acute</u></b>                           |         |                                                                                                                                                   |
| <b>Inhalation</b>                             |         |                                                                                                                                                   |
| NOAEL                                         | Rat     | 10.8 mg/m3                                                                                                                                        |
| TITANIUM DIOXIDE (CAS 13463-67-7)             |         |                                                                                                                                                   |
| <b><u>Acute</u></b>                           |         |                                                                                                                                                   |
| <b>Inhalation</b>                             |         |                                                                                                                                                   |
| LC50                                          | Rat     | 6820 mcg/m3                                                                                                                                       |
| <b>Oral</b>                                   |         |                                                                                                                                                   |
| LD50                                          | Rat     | > 24 g/kg                                                                                                                                         |
| <b><u>Chronic</u></b>                         |         |                                                                                                                                                   |
| <b>Inhalation</b>                             |         |                                                                                                                                                   |
| LOEC                                          | Rat     | 8.6 mg/m3, 1 years TiO2 accumulated in interstitial macrophages, aggregated interstitial cells and particle laden macrophages in lymphoid tissue. |
| NOAEC                                         | Rat     | 250 mg/m3, 2 years Highest dose<br>5 mg/m3, 24 months                                                                                             |

| Components                                       | Species                                                                                                                                                                        | Test Results                                                                                      |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| <b><u>Subacute</u></b>                           |                                                                                                                                                                                |                                                                                                   |
| <b>Inhalation</b>                                |                                                                                                                                                                                |                                                                                                   |
| LOEL                                             | Rat                                                                                                                                                                            | 0.1 - 35 mg/m3, 4 weeks Mild macrophage hyperplasia, no change in bronchio-alveolar lavage fluid. |
| NOAEC                                            | Guinea pig                                                                                                                                                                     | 26 mg/m3, 3 weeks No evidence of significant inflammation in respiratory tract.                   |
| <b>Oral</b>                                      |                                                                                                                                                                                |                                                                                                   |
| NOAEL                                            | Rat                                                                                                                                                                            | 100000 ppm, 14 Day Dietary study, highest dose tested.                                            |
| <b><u>Subchronic</u></b>                         |                                                                                                                                                                                |                                                                                                   |
| <b>Inhalation</b>                                |                                                                                                                                                                                |                                                                                                   |
| LOEC                                             | Rat                                                                                                                                                                            | 3.2 - 20 mg/m3, 8 min Accumulation of TiO2 in macrophages and evidence of pulmonary inflammation. |
| ZINC OXIDE (CAS 1314-13-2)                       |                                                                                                                                                                                |                                                                                                   |
| <b><u>Acute</u></b>                              |                                                                                                                                                                                |                                                                                                   |
| <b>Inhalation</b>                                |                                                                                                                                                                                |                                                                                                   |
| LC50                                             | Rat                                                                                                                                                                            | > 200 mg/l                                                                                        |
| <b>Oral</b>                                      |                                                                                                                                                                                |                                                                                                   |
| LD50                                             | Rat                                                                                                                                                                            | > 8437 mg/kg                                                                                      |
| <b>Skin corrosion/irritation</b>                 | Prolonged skin contact may cause temporary irritation.                                                                                                                         |                                                                                                   |
| <b>Irritation Corrosion - Skin</b>               |                                                                                                                                                                                |                                                                                                   |
| TITANIUM DIOXIDE                                 | 0, Literature data<br>Result: Non-irritant<br>Species: Guinea pig                                                                                                              |                                                                                                   |
| L-ASCORBIC ACID                                  | 0, Literature data<br>Result: Non-irritant<br>Species: Human<br>Acute dermal irritation; OECD 404<br>Result: Non-irritant<br>Species: Rabbit<br>Notes: EU SCC Review 1986-1990 |                                                                                                   |
| TITANIUM DIOXIDE                                 | Acute dermal irritation; OECD 404, Literature data<br>Result: Non-irritant<br>Species: Rabbit                                                                                  |                                                                                                   |
| <b>Irritation Corrosion - Skin: P.I.I. value</b> |                                                                                                                                                                                |                                                                                                   |
| MAGNESIUM STEARATE                               | 0                                                                                                                                                                              |                                                                                                   |
| <b>Serious eye damage/eye irritation</b>         | Direct contact with eyes may cause temporary irritation.                                                                                                                       |                                                                                                   |
| <b>Eye</b>                                       |                                                                                                                                                                                |                                                                                                   |
| L-ASCORBIC ACID                                  | Acute ocular irritation; OECD 405<br>Result: Slight irritant<br>Species: Rabbit<br>Notes: EU SCC Review 1986-1990                                                              |                                                                                                   |
| TITANIUM DIOXIDE                                 | OECD 405, Literature data<br>Result: Mild irritant<br>Species: Rabbit                                                                                                          |                                                                                                   |
| <b>Eye / Kay and Calandra class - Intact</b>     |                                                                                                                                                                                |                                                                                                   |
| MAGNESIUM STEARATE                               | 4<br>Recovery Period: 2 days                                                                                                                                                   |                                                                                                   |
| <b>Respiratory or skin sensitization</b>         |                                                                                                                                                                                |                                                                                                   |
| <b>Respiratory sensitization</b>                 | Not a respiratory sensitizer.                                                                                                                                                  |                                                                                                   |
| <b>Skin sensitization</b>                        | This product is not expected to cause skin sensitization.                                                                                                                      |                                                                                                   |
| <b>Sensitization</b>                             |                                                                                                                                                                                |                                                                                                   |
| TITANIUM DIOXIDE                                 | 5 % Optimisation Test, Literature data - Vehicle: petrolatum<br>Result: Negative<br>Species: Guinea pig<br>Test Duration: 48 hour exposure                                     |                                                                                                   |
| CYANOCOBALAMIN                                   | Epidemiology<br>Result: Hypersensitivity reactions can occur rarely.                                                                                                           |                                                                                                   |

|                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sensitization</b>                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                      |
| TITANIUM DIOXIDE                                                      | Patch test, Literature data<br>Result: Negative<br>Species: Human                                                                                                                                                                                                                                                                                                                                                    |
| CHOLECALCIFEROL (VITAMIN D3)                                          | SAR / QSAR, DEREK, Lhasa, UK<br>Result: No structural alerts identified.                                                                                                                                                                                                                                                                                                                                             |
| <b>Germ cell mutagenicity</b>                                         | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.                                                                                                                                                                                                                                                                                                     |
| <b>Mutagenicity</b>                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                      |
| CHOLECALCIFEROL (VITAMIN D3)                                          | Ames Assay, GLP assay; Literature data<br>Result: Negative                                                                                                                                                                                                                                                                                                                                                           |
| TITANIUM DIOXIDE                                                      | Ames, Literature data<br>Result: Negative<br>Micronucleus Assay in vitro, CHO cells, Literature data<br>Result: Negative<br>Micronucleus Assay in vitro, cultured human peripheral lymphocytes, Literature data<br>Result: Positive<br>Syrian Hamster Embryo (SHE) cell transformation assay<br>Result: Negative<br>WIL2-NS HPRT/ t-Thioguanidine - Human B-Cell lymphoblastoid, Literature data<br>Result: Positive |
| <b>Carcinogenicity</b>                                                | Risk of cancer cannot be excluded with prolonged exposure. Carcinogenic effects are not expected as a result of occupational exposure. Contains a material (TITANIUM DIOXIDE) classified as a carcinogen by external agencies.                                                                                                                                                                                       |
| L-ASCORBIC ACID                                                       | < 6000 mg/kg/day<br>Result: Negative<br>Species: Mouse<br>Notes: UN SIDS Dossier                                                                                                                                                                                                                                                                                                                                     |
| TITANIUM DIOXIDE                                                      | 0.5 mg/m3, Literature data<br>Result: Negative<br>Species: Rat<br>Test Duration: 24 months<br>0.72 - 14.8 mg/m3, Literature data<br>Result: Negative<br>Species: Mouse<br>10 - 250 mg/m3, Dietary study - Literature data.<br>Result: Inflammation at all doses with alveolar/bronchiolar adenoma at the highest concentration.<br>Species: Rat<br>Test Duration: 24 months                                          |
| L-ASCORBIC ACID                                                       | 1000 - 2000 mg/kg/day<br>Result: Negative<br>Species: Rat<br>Notes: UN SIDS Dossier                                                                                                                                                                                                                                                                                                                                  |
| TITANIUM DIOXIDE                                                      | 25000 - 50000 ppm, Dietary study - Literature data.<br>Result: Negative<br>Species: Rat<br>25000 - 50000 ppm, Dietary study<br>Result: Negative<br>Species: Mouse<br>7.2 - 14.8 mg/m3, Literature data<br>Result: Lung tumour<br>Species: Rat<br>Test Duration: 24 months                                                                                                                                            |
| CHOLECALCIFEROL (VITAMIN D3)                                          | SAR / QSAR, DEREK, Lhasa, UK<br>Result: No structural alerts identified.                                                                                                                                                                                                                                                                                                                                             |
| <b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>         |                                                                                                                                                                                                                                                                                                                                                                                                                      |
| PHYLLOQUINONE (CAS 84-80-0)                                           | 3 Not classifiable as to carcinogenicity to humans.                                                                                                                                                                                                                                                                                                                                                                  |
| POLYVINYLPIRROLIDONE (CAS 9003-39-8)                                  | 3 Not classifiable as to carcinogenicity to humans.                                                                                                                                                                                                                                                                                                                                                                  |
| SILICON DIOXIDE (CAS 7631-86-9)                                       | 3 Not classifiable as to carcinogenicity to humans.                                                                                                                                                                                                                                                                                                                                                                  |
| TALC, NON-ASBESTOS FORM (CAS 14807-96-6)                              | 2B Possibly carcinogenic to humans.                                                                                                                                                                                                                                                                                                                                                                                  |
| TITANIUM DIOXIDE (CAS 13463-67-7)                                     | 3 Not classifiable as to carcinogenicity to humans.<br>2B Possibly carcinogenic to humans.                                                                                                                                                                                                                                                                                                                           |
| <b>OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)</b> |                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Not listed.                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                      |

## US. National Toxicology Program (NTP) Report on Carcinogens

CYANOCOBALAMIN (CAS 68-19-9)

Reasonably Anticipated to be a Human Carcinogen.

### Reproductive toxicity

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

#### Reproductivity

L-ASCORBIC ACID

1.5 - 100 mg/kg/day Embryo-foetal development  
Result: No adverse foetal effects observed  
Species: Guinea pig  
Notes: EU SCC Review 1986-1990  
200 - 2000 mg/kg/day Embryo-foetal development  
Result: No adverse foetal effects observed  
Species: Rat  
Notes: EU SCC Review 1986-1990  
5.2 - 520 mg/kg/day Embryo-foetal development  
Result: No adverse foetal effects observed  
Species: Mouse  
Notes: EU SCC Review 1986-1990  
SAR / QSAR, DEREK, Lhasa, UK  
Result: As a class vitamin D analogs are suspected of causing foetal malformation at very high doses; physiological doses are not suspected of causing reproductive hazard

CHOLECALCIFEROL (VITAMIN D3)

### Specific target organ toxicity - single exposure

Not classified.

### Specific target organ toxicity - repeated exposure

Not classified.

CHOLECALCIFEROL (VITAMIN D3)

Repeat dose non-clinical studies; clinical observation, Literature data  
Organ: Kidney, bone  
Species: Human  
Organ: Red blood cells, kidneys.  
Notes: EU SCC Review 1986-1990

L-ASCORBIC ACID

### Aspiration hazard

Not an aspiration hazard.

### Chronic effects

Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

## 12. Ecological information

### Ecotoxicity

Harmful to aquatic life with long lasting effects.

| Components                                 |      | Species                                  | Test Results           |
|--------------------------------------------|------|------------------------------------------|------------------------|
| BETA-CAROTENE (CAS 7235-40-7)              |      |                                          |                        |
| Aquatic                                    |      |                                          |                        |
| Acute                                      |      |                                          |                        |
| Algae                                      | EC50 | Green algae (Selenastrum capricornutum)  | 81 mg/l, 72 hours      |
|                                            | NOEC | Green algae (Selenastrum capricornutum)  | < 10 mg/l, 72 hours    |
| Fish                                       | NOEC | Rainbow trout (Adult Oncorhyncus mykiss) | 1000 mg/l              |
| CALCIUM CARBONATE (CAS 471-34-1)           |      |                                          |                        |
| Aquatic                                    |      |                                          |                        |
| Acute                                      |      |                                          |                        |
| Fish                                       | LC50 | Western mosquitofish (Gambusia affinis)  | > 56000 mg/l, 24 hours |
| CHOLECALCIFEROL (VITAMIN D3) (CAS 67-97-0) |      |                                          |                        |
| Aquatic                                    |      |                                          |                        |
| Acute                                      |      |                                          |                        |
| Algae                                      | NOEC | Green algae (Selenastrum capricornutum)  | 100 mg/l, 96 hours     |
| Crustacea                                  | NOEC | Water flea (Daphnia magna)               | 100 mg/l, 48 hours     |
| Fish                                       | NOEC | Golden ide/orfe (Adult Leuciscus idus)   | > 10000 mg/l, 96 hours |
| CYANOCOBALAMIN (CAS 68-19-9)               |      |                                          |                        |
| Aquatic                                    |      |                                          |                        |
| Acute                                      |      |                                          |                        |
| Crustacea                                  | EC50 | Water flea (Daphnia magna)               | > 100 mg/l, 48 hours   |

| Components                                    |      | Species                                             | Test Results                       |
|-----------------------------------------------|------|-----------------------------------------------------|------------------------------------|
| L-ASCORBIC ACID (CAS 50-81-7)                 |      |                                                     |                                    |
| <b>Aquatic</b>                                |      |                                                     |                                    |
| <i>Acute</i>                                  |      |                                                     |                                    |
| Fish                                          | EC50 | Rainbow trout (Adult Oncorhynchus mykiss)           | 1020 mg/l, 96 hours                |
| MAGNESIUM STEARATE (CAS 557-04-0)             |      |                                                     |                                    |
| <b>Aquatic</b>                                |      |                                                     |                                    |
| <i>Acute</i>                                  |      |                                                     |                                    |
| Fish                                          | EC50 | Orange-red killfish (Adult Oryzias latipes)         | 130 mg/l, 96 hours                 |
| NICOTINAMIDE (CAS 98-92-0)                    |      |                                                     |                                    |
| <b>Aquatic</b>                                |      |                                                     |                                    |
| <i>Acute</i>                                  |      |                                                     |                                    |
| Algae                                         | EC50 | Algae                                               | > 1000 mg/l, 72 hours              |
| Crustacea                                     | EC50 | Water flea (Daphnia magna)                          | > 1000 mg/l, 48 hours              |
| Fish                                          | EC50 | Guppy (Juvenile Poecilia reticulata)                | > 1000 mg/l, 96 hours              |
| POLYETHYLENE GLYCOL (LIQUID) (CAS 25322-68-3) |      |                                                     |                                    |
| <b>Aquatic</b>                                |      |                                                     |                                    |
| <i>Acute</i>                                  |      |                                                     |                                    |
| Fish                                          | LC50 | Atlantic salmon (Salmo salar)                       | > 1000 mg/l, 96 hours              |
|                                               |      | Crucian carp (Carassius carassius)                  | > 20000 mg/l, 96 hours             |
|                                               |      | Rainbow trout,donaldson trout (Oncorhynchus mykiss) | > 20000 mg/l, 96 hours             |
| POLYVINYLPIRROLIDONE (CAS 9003-39-8)          |      |                                                     |                                    |
| <i>Acute</i>                                  |      |                                                     |                                    |
|                                               | IC50 | Activated sludge                                    | > 1000 mg/l, 3 hours Static test   |
| <b>Aquatic</b>                                |      |                                                     |                                    |
| <i>Acute</i>                                  |      |                                                     |                                    |
| Crustacea                                     | EC50 | Water flea (Daphnia magna)                          | 84 mg/l, 48 hours Static test      |
|                                               | NOEC | Water flea (Daphnia magna)                          | 32 mg/l, 48 hours Static test      |
| PYRIDOXINE HYDROCHLORIDE (CAS 58-56-0)        |      |                                                     |                                    |
| <b>Aquatic</b>                                |      |                                                     |                                    |
| <i>Acute</i>                                  |      |                                                     |                                    |
| Algae                                         | EC50 | Green algae (Desmodesmus subspicatus)               | 72 mg/L, 72 hours                  |
| SILICON DIOXIDE (CAS 7631-86-9)               |      |                                                     |                                    |
| <b>Aquatic</b>                                |      |                                                     |                                    |
| <i>Acute</i>                                  |      |                                                     |                                    |
| Algae                                         | EC50 | Green algae (Selenastrum capricornutum)             | 440 mg/l, 72 hours                 |
|                                               | NOEC | Green algae (Selenastrum capricornutum)             | 60 mg/l, 72 hours                  |
| Crustacea                                     | EC50 | Water flea (Daphnia magna)                          | > 10000 mg/l, 24 hours Static test |
| Fish                                          | EC50 | Common carp (Juvenile Cyprinus carpio)              | > 10000 mg/l, 72 hours             |
|                                               |      | Zebra fish (Adult Brachydanio rerio)                | 5000 mg/l, 96 hours Static test    |
| Microtox                                      | EC50 | Microtox                                            | 8700 mg/l, 15 minutes              |
| SODIUM SELENATE (CAS 13410-01-0)              |      |                                                     |                                    |
| <b>Aquatic</b>                                |      |                                                     |                                    |
| <i>Acute</i>                                  |      |                                                     |                                    |
| Algae                                         | EC50 | Algae                                               | 0.245 mg/L, 96 hours               |
| Crustacea                                     | EC50 | Daphnia                                             | 0.55 mg/L, 48 hours                |
| Fish                                          | LC50 | Fathead minnow (Pimephales promelas)                | 2.06 mg/L, 96 hours                |

| Components                                                   |      | Species                                                    | Test Results                            |
|--------------------------------------------------------------|------|------------------------------------------------------------|-----------------------------------------|
| <i>Chronic</i>                                               |      |                                                            |                                         |
| Algae                                                        | NOEC | Algae                                                      | 0.197 mg/L, 96 hours                    |
| Crustacea                                                    | NOEC | Allorchestes compressa                                     | 0.044 mg/L, 28 days                     |
| Fish                                                         | NOEC | Bluegill (Lepomis macrochirus)                             | 0.01 mg/L, 258 days                     |
| TALC, NON-ASBESTOS FORM (CAS 14807-96-6)                     |      |                                                            |                                         |
| <b>Aquatic</b>                                               |      |                                                            |                                         |
| <i>Acute</i>                                                 |      |                                                            |                                         |
| Fish                                                         | EC50 | Zebra fish (Adult Brachydanio rerio)                       | > 100 g/l, 24 hours Static renewal test |
| TITANIUM DIOXIDE (CAS 13463-67-7)                            |      |                                                            |                                         |
| <b>Aquatic</b>                                               |      |                                                            |                                         |
| Fish                                                         | LC50 | Mummichog (Fundulus heteroclitus)                          | > 1000 mg/l, 96 hours                   |
| <i>Acute</i>                                                 |      |                                                            |                                         |
| Crustacea                                                    | EC50 | Water flea (Daphnia magna)                                 | > 1000 mg/l, 48 hours Static test       |
| VITAMIN A ACETATE (CAS 127-47-9)                             |      |                                                            |                                         |
| <b>Aquatic</b>                                               |      |                                                            |                                         |
| <i>Acute</i>                                                 |      |                                                            |                                         |
| Algae                                                        | EC50 | Green algae (Desmodesmus subspicatus)                      | 0.103 mg/l, 72 hours , OECD 201         |
| Crustacea                                                    | EC50 | Water flea (Daphnia magna)                                 | 46 mg/l, 48 hours , OECD 202            |
| Fish                                                         | LC50 | Rainbow trout (Adult Oncorhyncus mykiss)                   | 1.37 mg/l, 96 hours , OECD 203          |
| ZINC OXIDE (CAS 1314-13-2)                                   |      |                                                            |                                         |
| <b>Aquatic</b>                                               |      |                                                            |                                         |
| <i>Acute</i>                                                 |      |                                                            |                                         |
| Crustacea                                                    | EC50 | Daphnia                                                    | 1 mg/l, 48 hours OECD Guideline 202     |
| Fish                                                         | EC50 | Rainbow trout (Adult Oncorhyncus mykiss)                   | 1.1 mg/l, 96 hours Static test          |
|                                                              | LC50 | Striped bass (Morone saxatilis)                            | >= 0.25 to <= 2.46 mg/l, 48 hours       |
| <b>Persistence and degradability</b>                         |      | No data is available on the degradability of this product. |                                         |
| <b>Photolysis</b>                                            |      |                                                            |                                         |
| <b>Half-life (Photolysis-aqueous)</b>                        |      |                                                            |                                         |
| FOLIC ACID                                                   |      | 84 Days Estimated                                          |                                         |
| <b>Half-life (Photolysis-atmospheric)</b>                    |      |                                                            |                                         |
| FOLIC ACID                                                   |      | 1.5 Hours Estimated                                        |                                         |
| MAGNESIUM STEARATE                                           |      | 17 Hours Estimated                                         |                                         |
| NICOTINAMIDE                                                 |      | 7 Days Estimated                                           |                                         |
| <b>UV/visible spectrum wavelength</b>                        |      |                                                            |                                         |
| CYANOCOBALAMIN                                               |      | 278 nm                                                     |                                         |
| FOLIC ACID                                                   |      | 365 nm                                                     |                                         |
| MAGNESIUM STEARATE                                           |      | 210 nm                                                     |                                         |
| <b>Biodegradability</b>                                      |      |                                                            |                                         |
| <b>Percent degradation (Aerobic biodegradation-inherent)</b> |      |                                                            |                                         |
| BETA-CAROTENE                                                |      | 100 %, 28 days Modified MITI (II) Test.                    |                                         |
| L-ASCORBIC ACID                                              |      | 100 %, 15 days Zahn-Wellens                                |                                         |
| MAGNESIUM STEARATE                                           |      | 77 %, 28 days BOD                                          |                                         |
| POLYVINYLPYRROLIDONE                                         |      | 0 %, 28 days Modified MITI test, Activated sludge          |                                         |
| <b>Percent degradation (Aerobic biodegradation-ready)</b>    |      |                                                            |                                         |
| CHOLECALCIFEROL (VITAMIN D3)                                 |      | < 7 %, 28 days MITI test                                   |                                         |
| CYANOCOBALAMIN                                               |      | < 5 %                                                      |                                         |
| MAGNESIUM STEARATE                                           |      | 95 %, 22 days Sturm test                                   |                                         |
| NICOTINAMIDE                                                 |      | 96 %, 28 days Modified OECD Screening Test (OECD 301E)     |                                         |
| <b>Percent degradation (Aerobic biodegradation-soil)</b>     |      |                                                            |                                         |
| MAGNESIUM STEARATE                                           |      | 50 %, 13 days                                              |                                         |
| <b>Bioaccumulative potential</b>                             |      | Not available.                                             |                                         |
| <b>Partition coefficient n-octanol / water (log Kow)</b>     |      |                                                            |                                         |
| CHOLECALCIFEROL (VITAMIN D3)                                 |      | 10.2                                                       |                                         |
| L-ASCORBIC ACID                                              |      | -2.15                                                      |                                         |

|                                                          |                                                                                                                                                                                         |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Partition coefficient n-octanol / water (log Kow)</b> |                                                                                                                                                                                         |
| NICOTINAMIDE                                             | -0.37                                                                                                                                                                                   |
| RIBOFLAVIN                                               | -1.46 (Measured).                                                                                                                                                                       |
| <b>Bioconcentration factor (BCF)</b>                     |                                                                                                                                                                                         |
| FOLIC ACID                                               | 474 Estimated                                                                                                                                                                           |
| MAGNESIUM STEARATE                                       | > 9999 Estimated                                                                                                                                                                        |
| NICOTINAMIDE                                             | < 1 Estimated                                                                                                                                                                           |
| POTASSIUM IODIDE                                         | > 1000 Measured                                                                                                                                                                         |
| ZINC OXIDE                                               | > 1000                                                                                                                                                                                  |
| <b>Mobility in soil</b>                                  | No data available.                                                                                                                                                                      |
| <b>Adsorption</b>                                        |                                                                                                                                                                                         |
| <b>Soil/sediment sorption - log Koc</b>                  |                                                                                                                                                                                         |
| FOLIC ACID                                               | 3.53 Estimated                                                                                                                                                                          |
| MAGNESIUM STEARATE                                       | 5.86 Estimated                                                                                                                                                                          |
| NICOTINAMIDE                                             | 1.18 Estimated                                                                                                                                                                          |
| <b>Mobility in general</b>                               |                                                                                                                                                                                         |
| <b>Volatility</b>                                        |                                                                                                                                                                                         |
| <b>Henry's law</b>                                       |                                                                                                                                                                                         |
| FOLIC ACID                                               | < 0 atm m <sup>3</sup> /mol, 25 C Estimated                                                                                                                                             |
| NICOTINAMIDE                                             | 0 atm m <sup>3</sup> /mol Estimated                                                                                                                                                     |
| RIBOFLAVIN                                               | < 0 atm m <sup>3</sup> /mol, 25 C Estimated                                                                                                                                             |
| <b>Other adverse effects</b>                             | 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

|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Disposal instructions</b>                 | Dispose of this material and its container to hazardous or special waste collection point. Incinerate the material under controlled conditions in an approved incinerator. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. |
| <b>Local disposal regulations</b>            | Dispose in accordance with all applicable regulations.                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Hazardous waste code</b>                  | D010: Waste Selenium<br>The waste code should be assigned in discussion between the user, the producer and the waste disposal company.                                                                                                                                                                                                                                                                                         |
| <b>Waste from residues / unused products</b> | 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).                                                                                                                                                                                                               |
| <b>Contaminated packaging</b>                | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.                                                                                                                                                                                                                     |

### 14. Transport information

|                                                                                 |                 |
|---------------------------------------------------------------------------------|-----------------|
| <b>DOT</b>                                                                      |                 |
| Not regulated as a dangerous good.                                              |                 |
| Read safety instructions, SDS and emergency procedures before handling.         |                 |
| <b>IATA</b>                                                                     |                 |
| Not regulated as dangerous goods.                                               |                 |
| <b>IMDG</b>                                                                     |                 |
| Not regulated as dangerous goods.                                               |                 |
| <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | Not applicable. |

### 15. Regulatory information

|                                                                      |                                                                                                                                |         |
|----------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|---------|
| <b>US federal regulations</b>                                        | This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. |         |
| <b>Toxic Substances Control Act (TSCA)</b>                           |                                                                                                                                |         |
| <b>TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)</b> |                                                                                                                                |         |
| Not regulated.                                                       |                                                                                                                                |         |
| <b>CERCLA Hazardous Substance List (40 CFR 302.4)</b>                |                                                                                                                                |         |
| CYANOCOBALAMIN (CAS 68-19-9)                                         |                                                                                                                                | Listed. |
| MANGANESE SULFATE (CAS 7785-87-7)                                    |                                                                                                                                | Listed. |
| ZINC OXIDE (CAS 1314-13-2)                                           |                                                                                                                                | Listed. |

**SARA 304 Emergency release notification**

Sodium selenate (CAS 13410-01-0) 100 LBS

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not listed.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)****SARA 302 Extremely hazardous substance**

| Chemical name   | CAS number | Reportable quantity (pounds) | Threshold planning quantity (pounds) | Threshold planning quantity, lower value (pounds) | Threshold planning quantity, upper value (pounds) |
|-----------------|------------|------------------------------|--------------------------------------|---------------------------------------------------|---------------------------------------------------|
| SODIUM SELENATE | 13410-01-0 | 100                          |                                      | 100                                               | 10000                                             |

**SARA 311/312 Hazardous chemical** No**SARA 313 (TRI reporting)**

| Chemical name     | CAS number | % by wt. |
|-------------------|------------|----------|
| MANGANESE SULFATE | 7785-87-7  | < 1      |
| ZINC OXIDE        | 1314-13-2  | < 1      |

**Other federal regulations****Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

CYANOCOBALAMIN (CAS 68-19-9)

MANGANESE SULFATE (CAS 7785-87-7)

SODIUM SELENATE (CAS 13410-01-0)

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

**Safe Drinking Water Act (SDWA)** Contains component(s) regulated under the Safe Drinking Water Act.**US state regulations****US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))**

TALC, NON-ASBESTOS FORM (CAS 14807-96-6)

TITANIUM DIOXIDE (CAS 13463-67-7)

**California Proposition 65****WARNING:** This product can expose you to TITANIUM DIOXIDE, which is known to the State of California to cause cancer, and VITAMIN A ACETATE, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).**California Proposition 65 - CRT: Listed date/Carcinogenic substance**

TALC, NON-ASBESTOS FORM (CAS 14807-96-6) Listed: April 1, 1990

TITANIUM DIOXIDE (CAS 13463-67-7) Listed: September 2, 2011

**California Proposition 65 - CRT: Listed date/Developmental toxin**

VITAMIN A ACETATE (CAS 127-47-9) Listed: July 1, 1989

**International Inventories**

| Country(s) or region | Inventory name                                                         | On inventory (yes/no)* |
|----------------------|------------------------------------------------------------------------|------------------------|
| Australia            | Australian Inventory of Industrial Chemicals (AICIS)                   | No                     |
| Canada               | Domestic Substances List (DSL)                                         | No                     |
| Canada               | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                | Inventory of Existing Chemical Substances in China (IECSC)             | No                     |
| 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)               | No                     |
| Korea                | Existing Chemicals List (ECL)                                          | No                     |
| New Zealand          | New Zealand Inventory                                                  | No                     |
| Philippines          | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | No                     |
| Taiwan               | Taiwan Chemical Substance Inventory (TCSI)                             | No                     |

| Country(s) or region        | Inventory name                                | On inventory (yes/no)* |
|-----------------------------|-----------------------------------------------|------------------------|
| 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, including date of preparation or last revision

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Issue date    | 03-07-2025                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Version #     | 01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| HMIS® ratings | Health: 0<br>Flammability: 0<br>Physical hazard: 0                                                                                                                                                                                                                                                                                                                                                                                                                                |
| NFPA ratings  | Health: 0<br>Flammability: 0<br>Instability: 0                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Disclaimer    | Haleon cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. |