

# SAFETY DATA SHEET

according to the OSHA Hazard Communication Standard



## Multivitamin (with Soy Oil) Formulation

Version 5.0      Revision Date: 04/14/2025      SDS Number: 4257976-00013      Date of last issue: 09/30/2023  
Date of first issue: 05/06/2019

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### SECTION 1. IDENTIFICATION

Product name : Multivitamin (with Soy Oil) Formulation

#### Manufacturer or supplier's details

Company name of supplier : Merck & Co., Inc  
Address : 126 E. Lincoln Avenue  
Rahway, New Jersey U.S.A. 07065  
Telephone : 908-740-4000  
Emergency telephone : 1-908-423-6000  
E-mail address : EHSDATASTEWARD@merck.com

#### Recommended use of the chemical and restrictions on use

Recommended use : Veterinary product  
Restrictions on use : Not applicable

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### SECTION 2. HAZARDS IDENTIFICATION

#### GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Reproductive toxicity : Category 1A  
Specific target organ toxicity - repeated exposure : Category 1 (Liver)

#### Other hazards

None known.

#### GHS label elements

Hazard pictograms : 

Signal Word : Danger

Hazard Statements : H360D May damage the unborn child.  
H372 Causes damage to organs (Liver) through prolonged or repeated exposure.

Precautionary Statements : **Prevention:**  
P201 Obtain special instructions before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P260 Do not breathe mist or vapors.  
P264 Wash skin thoroughly after handling.  
P270 Do not eat, drink or smoke when using this product.  
P280 Wear protective gloves, protective clothing, eye protection and face protection.  
**Response:**

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P308 + P313 IF exposed or concerned: Get medical attention.

**Storage:**

P405 Store locked up.

**Disposal:**

P501 Dispose of contents and container to an approved waste disposal plant.

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

**Components**

| Chemical name             | CAS No./Unique ID | Concentration (% w/w) | Trade secret |
|---------------------------|-------------------|-----------------------|--------------|
| Vitamin A Palmitate       | 79-81-2*          | >= 10 - <= 30         | TSC          |
| (dl)-a-Tocopheryl acetate | 7695-91-2*        | >= 3 - <= 7           | TSC          |
| Colecalciferol            | 67-97-0*          | >= 0.1 - <= 1         | TSC          |

\* Indicates that the identifier is a CAS No.

TSC- the actual concentration or concentration range is withheld as a trade secret

### SECTION 4. FIRST AID MEASURES

- General advice : In the case of accident or if you feel unwell, seek medical advice immediately.  
When symptoms persist or in all cases of doubt seek medical advice.
- If inhaled : If inhaled, remove to fresh air.  
Get medical attention.
- In case of skin contact : In case of contact, immediately flush skin with plenty of water.  
Remove contaminated clothing and shoes.  
Get medical attention.  
Wash clothing before reuse.  
Thoroughly clean shoes before reuse.
- In case of eye contact : Flush eyes with water as a precaution.  
Get medical attention if irritation develops and persists.
- If swallowed : If swallowed, DO NOT induce vomiting.  
Get medical attention.  
Rinse mouth thoroughly with water.
- Most important symptoms and effects, both acute and delayed : May damage the unborn child.  
Causes damage to organs through prolonged or repeated exposure.
- Protection of first-aiders : First Aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists (see section 8).
- Notes to physician : Treat symptomatically and supportively.

### SECTION 5. FIRE-FIGHTING MEASURES

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- Suitable extinguishing media : Water spray  
Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical
- Unsuitable extinguishing media : None known.
- Specific hazards during fire fighting : Exposure to combustion products may be a hazard to health.
- Hazardous combustion products : Carbon oxides
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.  
Use water spray to cool unopened containers.  
Remove undamaged containers from fire area if it is safe to do so.  
Evacuate area.
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.  
Use personal protective equipment.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.  
Follow safe handling advice (see section 7) and personal protective equipment recommendations (see section 8).
- Environmental precautions : Avoid release to the environment.  
Prevent further leakage or spillage if safe to do so.  
Prevent spreading over a wide area (e.g., by containment or oil barriers).  
Retain and dispose of contaminated wash water.  
Local authorities should be advised if significant spillages cannot be contained.
- Methods and materials for containment and cleaning up : Soak up with inert absorbent material.  
For large spills, provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container.  
Clean up remaining materials from spill with suitable absorbent.  
Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.  
Sections 13 and 15 of this SDS provide information regarding certain local or national requirements.

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### SECTION 7. HANDLING AND STORAGE

- Technical measures : See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.
- Local/Total ventilation : If sufficient ventilation is unavailable, use with local exhaust ventilation.
- Advice on safe handling : Do not get on skin or clothing.  
Do not breathe mist or vapors.  
Do not swallow.  
Avoid contact with eyes.  
Wash skin thoroughly after handling.  
Handle in accordance with good industrial hygiene and safety practice, based on the results of the workplace exposure assessment  
Keep container tightly closed.  
Do not eat, drink or smoke when using this product.  
Take care to prevent spills, waste and minimize release to the environment.
- Conditions for safe storage : Keep in properly labeled containers.  
Store locked up.  
Keep tightly closed.  
Store in accordance with the particular national regulations.
- Materials to avoid : Do not store with the following product types:  
Strong oxidizing agents  
Self-reactive substances and mixtures  
Organic peroxides  
Explosives  
Gases

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Ingredients with workplace control parameters

| Components                | CAS-No.   | Value type<br>(Form of<br>exposure) | Control parame-<br>ters / Permissible<br>concentration | Basis    |
|---------------------------|-----------|-------------------------------------|--|----------|
| Vitamin A Palmitate       | 79-81-2   | TWA                                 | >= 1 < 10 ug/m3<br>(OEB 4)                             | Internal |
| (dl)-a-Tocopheryl acetate | 7695-91-2 | TWA                                 | 5000 ug/m3 (OEB<br>1)                                  | Internal |
| Colecalciferol            | 67-97-0   | TWA<br>Wipe limit                   | 5 µg/m3 (OEB 4)<br>50 µg/100 cm <sup>2</sup>           | Internal |

- Engineering measures** : Minimize workplace exposure concentrations.  
If sufficient ventilation is unavailable, use with local exhaust ventilation.

#### Personal protective equipment

- Respiratory protection : General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn.

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Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

### Hand protection

|          |   |   |
|----------|---|---|
| Material | : | Chemical-resistant gloves   |
| Remarks  | : | Choose gloves to protect hands against chemicals depending on the concentration specific to place of work. Breakthrough time is not determined for the product. Change gloves often! For special applications, we recommend clarifying the resistance to chemicals of the aforementioned protective gloves with the glove manufacturer. Wash hands before breaks and at the end of workday. |

### Eye protection

|                          |   |   |
|--------------------------|---|---|
| Skin and body protection | : | Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential. |
|                          | : | Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc).                          |

### Hygiene measures

|  |   |   |
|--|---|---|
|  | : | If exposure to chemical is likely during typical use, provide eye flushing systems and safety showers close to the working place. |
|  | : | When using do not eat, drink or smoke.  |

Wash contaminated clothing before re-use.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Aqueous solution

Color : yellow

Odor : characteristic

Odor Threshold : No data available

pH : No data available

Melting point/freezing point : 23 °F / -5 °C

Initial boiling point and boiling range : 381 °F / 194 °C

Flash point : 471 °F / 244 °C

Evaporation rate : No data available

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|  |   |   |
|--|---|---|
| Flammability (solid, gas)                        | : | Not applicable  |
| Flammability (liquids)                           | : | Not applicable  |
| Upper explosion limit / Upper flammability limit | : | No data available   |
| Lower explosion limit / Lower flammability limit | : | No data available   |
| Vapor pressure                                   | : | No data available   |
| Relative vapor density                           | : | No data available   |
| Relative density                                 | : | 0.9 - 0.94  |
| Density  | : | No data available   |
| Solubility(ies)                                  |   |   |
| Water solubility                                 | : | practically insoluble                                     |
| Solubility in other solvents                     | : | slightly soluble<br>Solvent: Ethanol                      |
| Partition coefficient: n-octanol/water           | : | Not applicable  |
| Autoignition temperature                         | : | No data available   |
| Decomposition temperature                        | : | No data available   |
| Viscosity  |   |   |
| Viscosity, dynamic                               | : | 68.41 - 68.81 mPa.s (77 °F / 25 °C)<br>Method: Brookfield |
| Viscosity, kinematic                             | : | No data available   |
| Explosive properties                             | : | Not explosive   |
| Oxidizing properties                             | : | The substance or mixture is not classified as oxidizing.  |
| Molecular weight                                 | : | No data available   |
| Particle characteristics                         |   |   |
| Particle size                                    | : | Not applicable  |

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## SECTION 10. STABILITY AND REACTIVITY

|                                    |   |   |
|------------------------------------|---|---|
| Reactivity                         | : | Not classified as a reactivity hazard.  |
| Chemical stability                 | : | Stable under normal conditions.         |
| Possibility of hazardous reactions | : | Can react with strong oxidizing agents. |

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|                                  |  |
|----------------------------------|--|
| Conditions to avoid              | : None known.                                    |
| Incompatible materials           | : Oxidizing agents                               |
| Hazardous decomposition products | : No hazardous decomposition products are known. |

## SECTION 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

Inhalation  
Skin contact  
Ingestion  
Eye contact

### Acute toxicity

Not classified based on available information.

#### Product:

|                           |   |
|---------------------------|---|
| Acute oral toxicity       | : Acute toxicity estimate: > 5,000 mg/kg<br>Method: Calculation method  |
| Acute inhalation toxicity | : Acute toxicity estimate: 40.01 mg/l<br>Exposure time: 4 h<br>Test atmosphere: dust/mist<br>Method: Calculation method |
| Acute dermal toxicity     | : Acute toxicity estimate: > 5,000 mg/kg<br>Method: Calculation method  |

#### Components:

##### **Vitamin A Palmitate:**

|                     |  |
|---------------------|--|
| Acute oral toxicity | : LD50 (Rat): > 5,000 mg/kg<br>Remarks: Based on data from similar materials |
|---------------------|--|

##### **(dl)-a-Tocopheryl acetate:**

|                       |  |
|-----------------------|--|
| Acute oral toxicity   | : LD50 (Rat): > 5,000 mg/kg  |
| Acute dermal toxicity | : LD50 (Rat): > 3,000 mg/kg<br>Assessment: The substance or mixture has no acute dermal toxicity |

##### **Colecalciferol:**

|                           |   |
|---------------------------|---|
| Acute oral toxicity       | : LD50 (Rat, male): 35 mg/kg  |
| Acute inhalation toxicity | : Acute toxicity estimate: 0.05 mg/l<br>Exposure time: 4 h<br>Test atmosphere: dust/mist<br>Method: Expert judgment |
| Acute dermal toxicity     | : Acute toxicity estimate: 50 mg/kg<br>Method: Expert judgment  |

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### Skin corrosion/irritation

Not classified based on available information.

#### Components:

##### Vitamin A Palmitate:

|         |   |                         |
|---------|---|-------------------------|
| Species | : | Rabbit                  |
| Method  | : | OECD Test Guideline 404 |
| Result  | : | Mild skin irritation    |

##### (dl)-a-Tocopheryl acetate:

|         |   |                         |
|---------|---|-------------------------|
| Species | : | Rabbit                  |
| Method  | : | OECD Test Guideline 404 |
| Result  | : | No skin irritation      |

### Serious eye damage/eye irritation

Not classified based on available information.

#### Components:

##### Vitamin A Palmitate:

|         |   |                         |
|---------|---|-------------------------|
| Species | : | Rabbit                  |
| Result  | : | No eye irritation       |
| Method  | : | OECD Test Guideline 405 |

##### (dl)-a-Tocopheryl acetate:

|         |   |                         |
|---------|---|-------------------------|
| Species | : | Rabbit                  |
| Result  | : | No eye irritation       |
| Method  | : | OECD Test Guideline 405 |

##### Colecalciferol:

|         |   |                   |
|---------|---|-------------------|
| Species | : | Rabbit            |
| Result  | : | No eye irritation |

### Respiratory or skin sensitization

#### Skin sensitization

Not classified based on available information.

#### Respiratory sensitization

Not classified based on available information.

#### Components:

##### Vitamin A Palmitate:

|                    |   |                         |
|--------------------|---|-------------------------|
| Test Type          | : | Maximization Test       |
| Routes of exposure | : | Skin contact            |
| Species            | : | Guinea pig              |
| Method             | : | OECD Test Guideline 406 |
| Result             | : | negative                |

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### (dl)- $\alpha$ -Tocopheryl acetate:

|                    |   |              |
|--------------------|---|--------------|
| Test Type          | : | Draize Test  |
| Routes of exposure | : | Skin contact |
| Species            | : | Humans       |
| Result             | : | negative     |

### Colecalciferol:

|                    |   |                          |
|--------------------|---|--------------------------|
| Test Type          | : | Maurer optimisation test |
| Routes of exposure | : | Skin contact             |
| Species            | : | Guinea pig               |
| Result             | : | negative                 |

### Germ cell mutagenicity

Not classified based on available information.

### Components:

#### Vitamin A Palmitate:

|                       |   |   |
|-----------------------|---|---|
| Genotoxicity in vitro | : | Test Type: Bacterial reverse mutation assay (AMES)<br>Result: negative  |
| Genotoxicity in vivo  | : | Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)<br>Species: Mouse<br>Application Route: Ingestion<br>Method: OECD Test Guideline 474<br>Result: negative |

#### (dl)- $\alpha$ -Tocopheryl acetate:

|                       |   |  |
|-----------------------|---|--|
| Genotoxicity in vitro | : | Test Type: Chromosome aberration test in vitro<br>Method: OECD Test Guideline 473<br>Result: negative  |
|                       |   | Test Type: Bacterial reverse mutation assay (AMES)<br>Method: OECD Test Guideline 471<br>Result: negative  |
| Genotoxicity in vivo  | : | Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)<br>Species: Mouse<br>Application Route: Ingestion<br>Result: negative |

### Colecalciferol:

|                       |   |  |
|-----------------------|---|--|
| Genotoxicity in vitro | : | Test Type: Bacterial reverse mutation assay (AMES)<br>Method: OECD Test Guideline 471<br>Result: equivocal   |
|                       |   | Test Type: In vitro mammalian cell gene mutation test<br>Method: OECD Test Guideline 476<br>Result: negative |

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|-------------------------------------|---|---|
|                                     |   | Test Type: Chromosome aberration test in vitro<br>Method: OECD Test Guideline 473<br>Result: negative   |
| Genotoxicity in vivo                | : | Test Type: Mammalian erythrocyte micronucleus test (in vivo cytogenetic assay)<br>Species: Rat<br>Application Route: Ingestion<br>Method: OECD Test Guideline 474<br>Result: negative |
|                                     |   | Test Type: In vivo mammalian alkaline comet assay<br>Species: Rat<br>Application Route: Ingestion<br>Result: positive   |
| Germ cell mutagenicity - Assessment | : | Weight of evidence does not support classification as a germ cell mutagen.  |

### Carcinogenicity

Not classified based on available information.

### Components:

#### (dl)-a-Tocopheryl acetate:

|                   |   |           |
|-------------------|---|-----------|
| Species           | : | Rat       |
| Application Route | : | Ingestion |
| Exposure time     | : | 104 weeks |
| Result            | : | negative  |

**IARC** No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**OSHA** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP** No ingredient of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### Reproductive toxicity

May damage the unborn child.

### Components:

#### Vitamin A Palmitate:

|                                    |   |  |
|------------------------------------|---|--|
| Effects on fetal development       | : | Test Type: Embryo-fetal development<br>Species: Monkey<br>Application Route: Ingestion<br>Result: positive |
| Reproductive toxicity - Assessment | : | Positive evidence of adverse effects on development from human epidemiological studies.                    |

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### (dl)-a-Tocopheryl acetate:

|                              |   |
|------------------------------|---|
| Effects on fertility         | : Test Type: Reproduction/Developmental toxicity screening test<br>Species: Rat<br>Application Route: Ingestion<br>Result: negative |
| Effects on fetal development | : Test Type: Embryo-fetal development<br>Species: Rabbit<br>Application Route: Ingestion<br>Result: negative                        |

### STOT-single exposure

Not classified based on available information.

### STOT-repeated exposure

Causes damage to organs (Liver) through prolonged or repeated exposure.

#### Components:

##### Vitamin A Palmitate:

|                    |   |
|--------------------|---|
| Routes of exposure | : Ingestion   |
| Target Organs      | : Liver   |
| Assessment         | : Causes damage to organs through prolonged or repeated exposure. |
| Remarks            | : Based on data from similar materials                            |

##### Colecalciferol:

|                    |  |
|--------------------|--|
| Routes of exposure | : Ingestion  |
| Target Organs      | : Kidney, Blood, Bone  |
| Assessment         | : Shown to produce significant health effects in animals at concentrations of 10 mg/kg bw or less. |

### Repeated dose toxicity

#### Components:

##### Vitamin A Palmitate:

|                   |  |
|-------------------|--|
| Species           | : Rat                                  |
| LOAEL             | : > 1 - 10 mg/kg                       |
| Application Route | : Ingestion                            |
| Exposure time     | : 3 Months                             |
| Remarks           | : Based on data from similar materials |

##### (dl)-a-Tocopheryl acetate:

|                   |             |
|-------------------|-------------|
| Species           | : Rat       |
| NOAEL             | : 500 mg/kg |
| Application Route | : Ingestion |
| Exposure time     | : 90 Days   |

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### Colecalciferol:

|                   |   |                         |
|-------------------|---|-------------------------|
| Species           | : | Rat                     |
| NOAEL             | : | 0.06 mg/kg              |
| LOAEL             | : | 0.3 mg/kg               |
| Application Route | : | Ingestion               |
| Exposure time     | : | 90 Days                 |
| Method            | : | OECD Test Guideline 408 |

### Aspiration toxicity

Not classified based on available information.

### Experience with human exposure

### Components:

#### Vitamin A Palmitate:

|           |   |  |
|-----------|---|--|
| Ingestion | : | Symptoms: liver impairment<br>Remarks: Based on data from similar materials<br>Symptoms: Embryo-fetal toxicity.<br>Remarks: Based on data from similar materials |
|-----------|---|--|

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

### Components:

#### Vitamin A Palmitate:

|   |   |  |
|---|---|--|
| Toxicity to fish                                    | : | LC50 (Leuciscus idus (Golden orfe)): > 1,000 mg/l<br>Exposure time: 96 h<br>Method: DIN 38412<br>Remarks: Based on data from similar materials           |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna (Water flea)): > 100 mg/l<br>Exposure time: 48 h<br>Method: OECD Test Guideline 202<br>Remarks: Based on data from similar materials |
| Toxicity to algae/aquatic plants                    | : | EC50 (Desmodesmus subspicatus (green algae)): 152.94 mg/l<br>Exposure time: 72 h   |

#### (dl)-a-Tocopheryl acetate:

|   |   |  |
|---|---|--|
| Toxicity to fish                                    | : | LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l<br>Exposure time: 96 h<br>Method: OECD Test Guideline 203 |
| Toxicity to daphnia and other aquatic invertebrates | : | EC50 (Daphnia magna (Water flea)): > 100 mg/l<br>Exposure time: 48 h<br>Method: OECD Test Guideline 202          |
| Toxicity to algae/aquatic plants                    | : | ErC50 (Pseudokirchneriella subcapitata (green algae)): > 100 mg/l  |

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|                                     |   |   |
|-------------------------------------|---|---|
|                                     |   | Exposure time: 72 h<br>Method: OECD Test Guideline 201  |
|                                     |   | NOEC (Pseudokirchneriella subcapitata (green algae)): >= 100 mg/l<br>Exposure time: 72 h<br>Method: OECD Test Guideline 201 |
| Toxicity to fish (Chronic toxicity) | : | NOEC (Oncorhynchus mykiss (rainbow trout)): 100 mg/l<br>Exposure time: 28 d   |
| Toxicity to microorganisms          | : | EC50: > 927 mg/l<br>Exposure time: 30 min<br>Method: ISO 8192   |

### Colecalciferol:

|   |   |  |
|---|---|--|
| Toxicity to fish                                    | : | LL50 (Danio rerio (zebra fish)): > 100 mg/l<br>Exposure time: 96 h<br>Method: OECD Test Guideline 203                      |
| Toxicity to daphnia and other aquatic invertebrates | : | EL50 (Daphnia magna (Water flea)): > 100 mg/l<br>Exposure time: 48 h<br>Method: OECD Test Guideline 202                    |
| Toxicity to algae/aquatic plants                    | : | EL50 (Scenedesmus capricornutum (fresh water algae)): > 100 mg/l<br>Exposure time: 96 h<br>Method: OECD Test Guideline 201 |

### Persistence and degradability

#### Components:

##### Vitamin A Palmitate:

|                  |   |  |
|------------------|---|--|
| Biodegradability | : | Result: Not readily biodegradable.<br>Biodegradation: 40 - 50 %<br>Exposure time: 28 d<br>Method: OECD Test Guideline 301F |
|------------------|---|--|

##### (dl)-a-Tocopheryl acetate:

|                  |   |  |
|------------------|---|--|
| Biodegradability | : | Result: Not readily biodegradable.<br>Biodegradation: 21.7 - 31 %<br>Exposure time: 28 d<br>Method: OECD Test Guideline 301C |
|------------------|---|--|

##### Colecalciferol:

|                  |   |   |
|------------------|---|---|
| Biodegradability | : | Result: Not readily biodegradable.<br>Biodegradation: <= 7 %<br>Exposure time: 28 d<br>Method: OECD Test Guideline 301C |
|------------------|---|---|

# SAFETY DATA SHEET

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## Multivitamin (with Soy Oil) Formulation

Version  
5.0

Revision Date:  
04/14/2025

SDS Number:  
4257976-00013

Date of last issue: 09/30/2023  
Date of first issue: 05/06/2019

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### Bioaccumulative potential

#### Components:

##### Vitamin A Palmitate:

Partition coefficient: n-octanol/water : log Pow: > 6.2

##### Colecalciferol:

Partition coefficient: n-octanol/water : log Pow: > 6.2  
Method: OECD Test Guideline 107

##### Mobility in soil

No data available

##### Other adverse effects

No data available

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## SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

Waste from residues : Dispose of in accordance with local regulations.  
Do not dispose of waste into sewer.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.  
If not otherwise specified: Dispose of as unused product.

---

## SECTION 14. TRANSPORT INFORMATION

#### International Regulations

##### UNRTDG

Not regulated as a dangerous good

##### IATA-DGR

Not regulated as a dangerous good

##### IMDG-Code

Not regulated as a dangerous good

#### Transport in bulk according to IMO instruments

Not applicable for product as supplied.

#### Domestic regulation

##### 49 CFR

Not regulated as a dangerous good

#### Special precautions for user

Not applicable

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#### **SECTION 15. REGULATORY INFORMATION**

## **CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

## SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

## SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards** : Reproductive toxicity  
Specific target organ toxicity (single or repeated exposure)

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

## US State Regulations

## Pennsylvania Right To Know

Soya oil 8001-22-7  
Vitamin A Palmitate 79-81-2  
(dl)-a-Tocopheryl acetate 7695-91-2

California Prop. 65

**WARNING:** This product can expose you to chemicals including Vitamin A Palmitate, which is/are 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).

The ingredients of this product are reported in the following inventories:

AICS : not determined

DSI : not determined

IECSC : not determined

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**SECTION 16. OTHER INFORMATION**

#### **Further information**

# SAFETY DATA SHEET

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## Multivitamin (with Soy Oil) Formulation

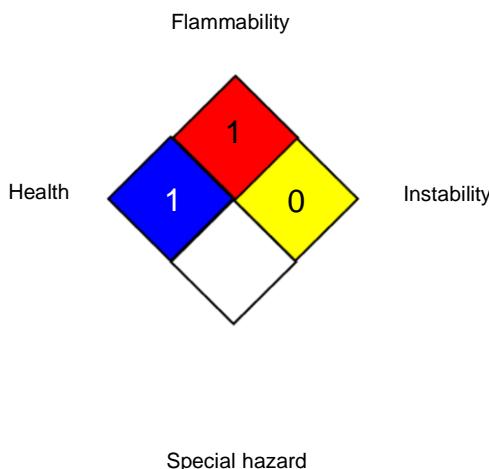
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### NFPA 704:



### HMIS® IV:



HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "\*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

### Full text of other abbreviations

AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TSCA - Toxic Substances Control Act

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## Multivitamin (with Soy Oil) Formulation

|                |                              |                              |   |
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|----------------|------------------------------|------------------------------|---|

(United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Sources of key data used to compile the Material Safety Data Sheet : Internal technical data, data from raw material SDSs, OECD eChem Portal search results and European Chemicals Agency, <http://echa.europa.eu/>

Revision Date : 04/14/2025

Items where changes have been made to the previous version are highlighted in the body of this document by two vertical lines.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and shall not be considered a warranty or quality specification of any type. The information provided relates only to the specific material identified at the top of this SDS and may not be valid when the SDS material is used in combination with any other materials or in any process, unless specified in the text. Material users should review the information and recommendations in the specific context of their intended manner of handling, use, processing and storage, including an assessment of the appropriateness of the SDS material in the user's end product, if applicable.

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