

## Product Technical Data Sheet

|                                                 |                          |
|-------------------------------------------------|--------------------------|
| <b>Product name:</b> Vitamin K2 Powder 5% (MCC) | <b>AC code:</b> AC01832a |
|-------------------------------------------------|--------------------------|

| 1. Technical Data Sheet             |                                                                                                                    |                 |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------------|
| Product Name                        | Vitamin K2 Powder 5% (MCC)                                                                                         |                 |
| Molecular formula                   | C46H64O2                                                                                                           |                 |
| Molecular weight                    | 649                                                                                                                |                 |
| CAS number                          | 2124-57-4                                                                                                          |                 |
| Item                                | Standard                                                                                                           | Analysis Method |
| Typical Analysis                    |                                                                                                                    |                 |
| Appearance                          | Light yellow to yellow powder                                                                                      |                 |
| Identification                      | The retention time of the major peak of the Sample solution corresponds to that of the Standard solution           |                 |
| Content of MK-7                     | NLT 50000 ppm                                                                                                      | USP-HPLC        |
| Isomeric Purity ( <i>cis</i> -MK-7) | NMT 2% of MK-7                                                                                                     | USP-HPLC        |
| Impurity (Menaquinone-6)            | NMT 5000 ppm                                                                                                       | USP-HPLC        |
| Loss on Drying                      | NMT 5.0% USP                                                                                                       | USP<731>        |
| Heavy metals                        |                                                                                                                    |                 |
| Total Heavy Metals                  | ≤10ppm                                                                                                             | ICP-MS          |
| Lead (Pb)                           | ≤3ppm                                                                                                              | ICP-MS          |
| Arsenic (As)                        | ≤2ppm                                                                                                              | ICP-MS          |
| Cadmium (Cd)                        | ≤1ppm                                                                                                              | ICP-MS          |
| Mercury (Hg)                        | ≤0.1ppm                                                                                                            | ICP-MS          |
| Microorganism                       |                                                                                                                    |                 |
| Total Plate Count                   | ≤1000 cfu/g                                                                                                        | USP<2021>       |
| Yeast & Mould                       | ≤100 cfu/g                                                                                                         | USP<2021>       |
| E.Coli                              | Negative                                                                                                           | USP<2022>       |
| Salmonella                          | Negative                                                                                                           | USP<2022>       |
| Staphylococcus Aureus               | Negative                                                                                                           | USP<2022>       |
| Storage & Shelf Life                |                                                                                                                    |                 |
| Package                             | 5kg/bag, 20kg/carton                                                                                               |                 |
| Shelf life                          | The shelf life for the product is 24 months from date of production. Use it as soon as possible once it is opened. |                 |
| Storage                             | Store in a tightly closed container in a dry place, protected from light                                           |                 |

| 2. Origin & Ingredient                                              |                                  |                                                                 |
|---------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------|
| Country of origin of the product: China                             |                                  | Origin statement: available <input checked="" type="checkbox"/> |
| This product is a pure material <input checked="" type="checkbox"/> |                                  | This product is a compound material <input type="checkbox"/>    |
| Animal origin                                                       | <input type="checkbox"/> bovine  | Specific Source: /                                              |
|                                                                     | <input type="checkbox"/> porcine | Specific Source: /                                              |

|                             |                                                  |                    |                       |  |
|-----------------------------|--------------------------------------------------|--------------------|-----------------------|--|
|                             | <input type="checkbox"/> avian                   |                    | Specific Source: /    |  |
|                             | <input type="checkbox"/> Others:                 |                    | Specific Source: /    |  |
| Synthetic                   | <input type="checkbox"/>                         | Starting material: | origin: China         |  |
| Biotechnological processing | <input type="checkbox"/> Catalysis By Enzymes    |                    | Name Of Enzyme: /     |  |
|                             | <input checked="" type="checkbox"/> Fermentation |                    | Sources Of Enzymes: / |  |
| Botanical Origin            | Botanical Name:                                  |                    | /                     |  |
|                             | Part:                                            |                    | /                     |  |
|                             | Wild Or Cultivated:                              |                    | /                     |  |
|                             | Country Of Origin:                               |                    | /                     |  |
|                             | Solvent Used:                                    |                    | /                     |  |

| 3.Nutrition Data                                                                            |                                                                                   |
|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Nutritional Composition                                                                     | <input checked="" type="checkbox"/> Per 100g <input type="checkbox"/> Per Serving |
| <input checked="" type="checkbox"/> Energy(Kj) <input type="checkbox"/> Energy(Kcal)        | 846.2 kJ                                                                          |
| Protein(G)                                                                                  | 0                                                                                 |
| Fat(G)                                                                                      | 3.0                                                                               |
| Carbohydrates(G)                                                                            | 0                                                                                 |
| Sodium                                                                                      | 0                                                                                 |
| K2                                                                                          | 5.0                                                                               |
| Vitamin E                                                                                   | 0.1                                                                               |
| Fibre                                                                                       | 91.9                                                                              |
| Remarks: Nutrition Data Are Obtained By 3 <sup>rd</sup> Party Lab; Tested On A Yearly Basis |                                                                                   |

| 4. GMO declaration                                                                                                                                                                   | Conforms                            | Not Conforms             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------|
| The product does not contain or consist of GMO                                                                                                                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| The product is not produced from GMO or not contain ingredients produced from GMO (irrespective of whether there is NDA or protein of GM origin in the final production)             | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| This product is not produced by means of GM microorganism including precursor substances, e.g. with GMOs or Genetically Modified microorganisms processing aids(bacteria, yeast,...) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| This product is not produced with the help of enzymes, which were obtained from GMOs                                                                                                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Does the product contain any ingredients from animal?                                                                                                                                | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| If yes, are genetically modified crops contained in the feed for the animal?                                                                                                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| We confirm that this product complies with regulations EC/1829/2003 and EC1831/2003 and keep NON-GMO statement available                                                             | <input checked="" type="checkbox"/> |                          |

| 5.Allergen declaration                                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------|
| We have carefully reviewed this product according to EU Regulation 1169/2011 and modifications and confirm the following: |

|                                                                                                              | Direct incorporation as a base raw material or in a derivative form (don't forget the carriers, the additives and the processing aids) |    | CROSS CONTAMINATION             |    |                                     |    |                                    |    |
|--------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|----|---------------------------------|----|-------------------------------------|----|------------------------------------|----|
|                                                                                                              |                                                                                                                                        |    | Presence on the production line |    | Presence on the production workshop |    | Presence on the production factory |    |
|                                                                                                              | Yes (precise nature)                                                                                                                   | No | Yes (precise the nature)        | No | Yes (precise the nature)            | No | Yes (precise the nature)           | No |
| Cereals containing gluten(1) and products thereof                                                            |                                                                                                                                        | N  |                                 | N  |                                     | N  |                                    | N  |
| Crustaceans and products thereof                                                                             |                                                                                                                                        | N  |                                 | N  |                                     | N  |                                    | N  |
| Eggs and products thereof                                                                                    |                                                                                                                                        | N  |                                 | N  |                                     | N  |                                    | N  |
| Fish and products thereof (2)                                                                                |                                                                                                                                        | N  |                                 | N  |                                     | N  |                                    | N  |
| Peanuts and products thereof                                                                                 |                                                                                                                                        | N  |                                 | N  |                                     | N  |                                    | N  |
| Soybeans and products thereof (3)                                                                            |                                                                                                                                        | N  |                                 | N  |                                     | N  |                                    | N  |
| Milk and products thereof (including lactose)(4)                                                             |                                                                                                                                        | N  |                                 | N  |                                     | N  |                                    | N  |
| Nuts (5) or products thereof                                                                                 |                                                                                                                                        | N  |                                 | N  |                                     | N  |                                    | N  |
| Celery and products thereof                                                                                  |                                                                                                                                        | N  |                                 | N  |                                     | N  |                                    | N  |
| Mustard and products thereof                                                                                 |                                                                                                                                        | N  |                                 | N  |                                     | N  |                                    | N  |
| Sesame seeds and product thereof                                                                             |                                                                                                                                        | N  |                                 | N  |                                     | N  |                                    | N  |
| Sulphur dioxide and sulphites at concentrations of more than 10mg/kg or 10 mg/l expressed as SO <sub>2</sub> |                                                                                                                                        | N  |                                 | N  |                                     | N  |                                    | N  |
| Lupines and products thereof                                                                                 |                                                                                                                                        | N  |                                 | N  |                                     | N  |                                    | N  |
| Mollusc and product thereof                                                                                  |                                                                                                                                        | N  |                                 | N  |                                     | N  |                                    | N  |

- (1) Cereals which contain gluten (i.e. wheat, rye, barley, oats, spelt, kamut or their hybridised strains) except: wheat-based glucose syrups including dextrose, wheat-based maltodextrins, glucose syrups based on barley, cereals used for making distillates or ethyl alcohol of agricultural origin for spirit drinks and other alcoholic beverages;
- (2) Except: fish gelatine used as carrier for vitamin or carotenoid preparations, fish gelatine or Isinglass used as fining agent in beer and wine;
- (3) Except fully refined soybean oil and fat, natural mixed tocopherols (E306), natural D-alpha tocopherol, natural D-alpha tocopherol acetate, natural D-alpha tocopherol succinate from soybean sources; vegetable oils derived phytosterols and phytosterol esters from soybean sources; plant stanol ester produced from vegetable oil sterols from soybean sources;
- (4) Except when used for making distillates or ethyl alcohol of agricultural origin for spirit drinks and other alcoholic beverages, lactitol;
- (5) almond (*Amygdalus communis* L.) hazelnuts (*Corylus avellana*), walnut (*Juglans regia*), cashew (*Anacardium occidentale*), pecan nuts (*Carya illinoensis*), brazil nut (*Bertholletia excelsa*), pistachio nut (*Pistacia vera*), macadamia nut and queensland nut (*Macadamia terniflora*) and products thereof, except nuts used for making distillates or ethyl alcohol of agricultural origin for spirit drinks and other alcoholic beverages;

## 6. NON IRRADIATION

(According to EU directive 1999/2/EC & 1999/3/EC)

|                                                                                               |                                              |                                       |
|-----------------------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------|
| This product has not been treated with ionising radiation                                     | <input checked="" type="checkbox"/> Conforms | <input type="checkbox"/> Not Conforms |
| None of the raw materials we used for this product have been treated with ionising radiation. | <input checked="" type="checkbox"/> Conforms | <input type="checkbox"/> Not Conforms |
| We confirm above Non-Irradiation statement is available                                       | <input checked="" type="checkbox"/>          |                                       |

## 7. NANOMATERIAL

(according to EU Regulation (EU) No. 1169/2011)

|                                                                                   |                                              |                                       |
|-----------------------------------------------------------------------------------|----------------------------------------------|---------------------------------------|
| This product does not contain any nanomaterials as defined in EU food legislation | <input checked="" type="checkbox"/> Conforms | <input type="checkbox"/> Not Conforms |
| This product has not been made with nanotechnology                                | <input checked="" type="checkbox"/> Conforms | <input type="checkbox"/> Not Conforms |
| We confirm above Non-Nanomaterial statement is available                          | <input checked="" type="checkbox"/>          |                                       |

| 8. Residual solvents                                                                                                                                  |                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (according to UE Directive 2009/32 modified by(UE)2010/59; EP5.4;USP476;ICH Q3C(R7))                                                                  |                                                                                                                                                                                                                                          |
| For this product following solvents are used during production process:<br>Solvent A: Ethanol                      Max residual level: Ethanol < 0.5% | <input checked="" type="checkbox"/> solvent used<br><input type="checkbox"/> solvent not used                                                                                                                                            |
| We confirm solvent residual of this product complies with:                                                                                            | <input checked="" type="checkbox"/> EP5.4<br><input checked="" type="checkbox"/> USP <476><br><input checked="" type="checkbox"/> ICH Q3C(R7)<br><input checked="" type="checkbox"/> Directive 2010/59/EU<br><input type="checkbox"/> NA |
| We confirm Solvent residual statement is available                                                                                                    | <input checked="" type="checkbox"/>                                                                                                                                                                                                      |

| 9. Pesticide residual                                        |                                                                                                                                                                                   |
|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (according to EC 396/2005; EP07; USP <561>)                  |                                                                                                                                                                                   |
| This product is of vegetable origin                          | <input checked="" type="checkbox"/> Conforms <input type="checkbox"/> Not Conforms                                                                                                |
| We confirm pesticide residual of this product complies with: | <input checked="" type="checkbox"/> EC 396/2005<br><input checked="" type="checkbox"/> EP 07/2008<br><input checked="" type="checkbox"/> USP<561><br><input type="checkbox"/> N/A |
| Pesticide residual statement available                       | <input checked="" type="checkbox"/>                                                                                                                                               |

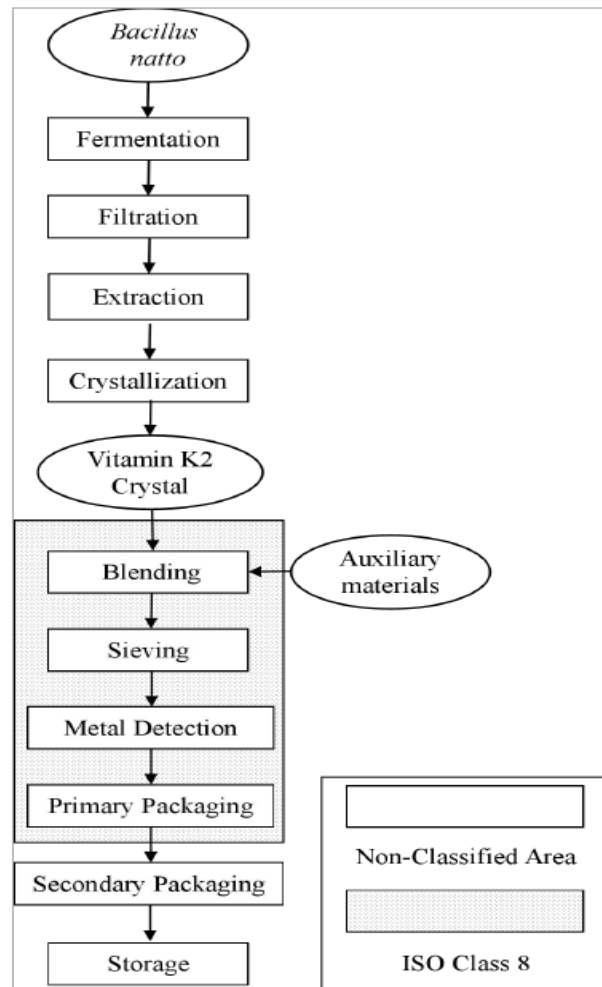
| 10. BSE/TSE information                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| (according to EU legislation 999/2001; EP general chapter 5.2.8)                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                      |
| Cattle, sheep, goats and animals that are naturally susceptible to infect with transmissible spongiform encephalopathy agents or susceptible to infection through the oral route other than humans and non-human primates are defined as “ESE-relevant animal species<br>Pigs and birds are not naturally susceptible to infection via the oral route; therefore, they are not TSE-relevant animal species.<br>Dogs, rabbits and fish are not TSE-relevant animal species.” |                                                                                                                      |
| the product contains no ingredients of ruminant origin and no materials derived from, or exposed to ruminants affected by or under quarantine for Transmitting Transmissible Spongiform Encephalopathy (TSE) / Bovine Spongiform Encephalopathy (BSE)                                                                                                                                                                                                                       | <input checked="" type="checkbox"/> Conforms<br><input type="checkbox"/> Not Conforms<br><input type="checkbox"/> NA |
| In the manufacturing of this product, there is no any raw or source material and /or reagent used that is of animal origin i.e. bovine, serum-albumin, enzymes, culture broths including those used to prepare working or master cell tanks                                                                                                                                                                                                                                 | <input checked="" type="checkbox"/> Conforms<br><input type="checkbox"/> Not Conforms                                |
| Equipment/systems/tools use for processing or storage of the material do not come into contact at any time with materials of animal origin (e.g., components of media filler used to check such system)                                                                                                                                                                                                                                                                     | <input checked="" type="checkbox"/> Conforms<br><input type="checkbox"/> Not Conforms                                |

|                                                                                                                           |                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| The material is not purified by using solvents, chromatographic media or buffers that contain components of animal origin | <input checked="" type="checkbox"/> Conforms<br><input type="checkbox"/> Not Conforms                                      |
| We confirm this product complies with:                                                                                    | <input checked="" type="checkbox"/> EU legislation 999/2001 & <input checked="" type="checkbox"/> EP general chapter 5.2.8 |
| We confirm BSE/TSE statement is available                                                                                 | <input checked="" type="checkbox"/> Conforms                                                                               |

| 11. Contaminants information<br>(according to EU Regulation No 915/2023 and NO.629/2008 as regards maximum levels for certain contaminants in foodstuff)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Food supplements containing <math>\geq 80\%</math> peanuts or oilseeds               <ul style="list-style-type: none"> <li>Aflatoxins B1 <math>\leq 2.0</math> ppb</li> <li>Aflatoxins B1+B2+G1+G2 <math>\leq 4.0</math> ppb</li> </ul> </li> <li>Other food supplements               <ul style="list-style-type: none"> <li>Aflatoxins B1 <math>\leq 5.0</math> ppb</li> <li>Aflatoxins B1+B2+G1+G2 <math>\leq 10.0</math> ppb</li> </ul> </li> <li>Food supplements, cocoa fibre, banana chips, dried herbs and dried spices               <ul style="list-style-type: none"> <li>Ochratoxin A <math>\leq 5.0</math> ppb</li> </ul> </li> </ul> | <input checked="" type="checkbox"/> Conforms<br><input type="checkbox"/> Not Conforms<br><input type="checkbox"/> NA |
| <ul style="list-style-type: none"> <li>Melamine</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <input checked="" type="checkbox"/> Conforms                                                                         |
| Applicable to: food supplements, cocoa fibre, banana chips, dried herbs and dried spices <ul style="list-style-type: none"> <li>Benzo(a)pyrene <math>\leq 1.0</math> ppb</li> <li>The sum of PAH4 (PAH4; benzo[a]pyrene, chrysene, benz[a]anthracene and benzo[b]fluoranthene) <math>\leq 10.0</math> ppb</li> </ul>                                                                                                                                                                                                                                                                                                                                                                       | <input checked="" type="checkbox"/> Conforms<br><input type="checkbox"/> Not Conforms<br><input type="checkbox"/> NA |
| We confirm this product complies with Regulation (EU) 915/2023 and NO.629/2008 and keep compliance statement available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <input checked="" type="checkbox"/> Conforms                                                                         |

| 12. Others                                                                                                                                                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| We confirm we could meet with the requirement on hygiene of foodstuffs according to Reg 852/2004.<br>We confirm we could meet with the requirement on general principles and requirements of food law according to REGULATION (EC) No 178/2002 |

## FLOW CHART





## Material Safety Data Sheet (MSDS)

|    |                                                    |                                                                                                        |
|----|----------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| 1. | IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY |                                                                                                        |
|    | COMMON NAME                                        | Vitamin K2 Powder 5% (MCC)                                                                             |
|    | COMPANY NAME                                       | Confidential                                                                                           |
| 2. | INFORMATION ON SUBSTANCE                           |                                                                                                        |
|    | PRINCIPAL-HAZARDOUS COMPONENT (S)                  | Non                                                                                                    |
|    | CAS No                                             | 2124-57-4                                                                                              |
|    | APPEARANCE                                         | Light yellow to yellow powder                                                                          |
| 3. | HAZARDS INFORMATION ON SUBSTANCE                   |                                                                                                        |
|    | HEALTH HAZARDS                                     | No data available yet                                                                                  |
|    | FIRE AND EXPLOSION HAZARDS                         | No data available yet                                                                                  |
|    | ENVIRONMENTAL HAZARDS                              | No environmental hazards as far as to our knowledge.                                                   |
| 4. | FIRST-AID MEASURES                                 |                                                                                                        |
|    | INHALATION                                         | Remove to well-ventilated area. Seek medical attention.                                                |
|    | SKIN CONTACT                                       | Washed by soap water or clear water if it comes into contact with skin.                                |
|    | EYE CONTACT                                        | Washed by clear water if contacting with eyes. Sent to hospital if having excessive intake by mistake. |
|    | INGESTION                                          | Wash out mouth with water if conscious. Seek medical attention.                                        |
|    | PROTECT MEASURES                                   | Wearing protective clothes and safety gloves when operating.                                           |
| 5. | FIRE-FIGHTING MEASURES                             |                                                                                                        |
|    | EXTINGUISHER MEDIA                                 | Water Spray, Carbon Dioxide, Dry Chemical Powder or other appropriate form.                            |
|    | SPECIAL FIRE FIGHTING PROCEDURES                   | Wear self-containing breathing apparatus against toxic fumes and protective clothing.                  |
|    | FIRE & EXPLOSION                                   | Not combustible, flammable or explosive. Emits toxic                                                   |

|         |                                                           |                                                                                                                                                                                                         |
|---------|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HAZARDS |                                                           | fumes under fire conditions.                                                                                                                                                                            |
| 6.      | ACCIDENTAL RELEASE MEASURES                               |                                                                                                                                                                                                         |
|         | STEPS TO BE TAKEN IN CASE MATERIAL IS SPILLED OR RELEASED | Wear protective equipment. Sweep up, place in proper container for waste disposal, do not get water inside container. Avoid raising dust. Ventilate area & wash site after material pickup is complete. |
|         | CLEANING METHODS                                          | Wash premises, equipment and working surfaces with water.                                                                                                                                               |
|         | WASTE DISPOSALS METHODS                                   | Dispose of as solid organic waste in accordance with national and local regulations                                                                                                                     |
| 7.      | HANDLING & STORAGE                                        |                                                                                                                                                                                                         |
|         | HANDLING&STORAGE                                          | Keep far away from kindled material, heat source and direct light.<br>Keep the container airtight. Should be separately stored from oxidant and edible chemical compound.                               |
| 8.      | EXPOSURE CONTROLS / PERSONAL PROTECTION                   |                                                                                                                                                                                                         |
|         | OCCUPATIONAL EXPOSURE LIMITS                              |                                                                                                                                                                                                         |
|         | GB TWA:                                                   | Not established                                                                                                                                                                                         |
|         | D TWA:                                                    | Not established                                                                                                                                                                                         |
|         | USA TWA/TLV:                                              | Not established                                                                                                                                                                                         |
|         | USA TWA/STEL:                                             | Not established                                                                                                                                                                                         |
|         | VENTILATION                                               | Local exhaust may be needed.                                                                                                                                                                            |
|         | PERSONAL PROTECTIVE EQUIPMENT                             | Protective goggles, gloves. Coveralls, apron, boots.<br>Respiratory protection with dust-filter may be needed.                                                                                          |
| 9.      | PHYSICAL AND CHEMICAL PROPERTIES                          |                                                                                                                                                                                                         |
|         | APPEARANCE                                                | Off-white fine powder                                                                                                                                                                                   |
|         | BOILING POINT                                             | n.a.                                                                                                                                                                                                    |
|         | MELTING POINT                                             | n.a.                                                                                                                                                                                                    |
|         | AUTO-IGNITION TEMP.                                       | n.a.                                                                                                                                                                                                    |
|         | WATER SOLUBILITY                                          | Part of water soluble                                                                                                                                                                                   |
|         | FLASH POINT                                               | n.a.                                                                                                                                                                                                    |
|         | EXPLOSIVE LIMITS IN AIR                                   | n.a.                                                                                                                                                                                                    |
| 10.     | STABILITY & REACTIVITY                                    |                                                                                                                                                                                                         |
|         | STABILITY & REACTIVITY                                    | The compound is stable at room temperature in closed containers.                                                                                                                                        |
|         | CONDITIONS TO AVOID                                       | Incompatible materials, light, dust generation, moisture, excess heat, strong oxidants.                                                                                                                 |

|     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|     | <p>MATERIALS TO AVOID      Oxidizing agents</p> <p>HAZARDOUS                Carbon monoxide, carbon dioxide.</p> <p>DECOMPOSITION</p> <p>PRODUCTS</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 11. | <p>TOXICOLOGICAL INFORMATION</p> <p>ACUTE      ORAL      LD50    Not known<br/>(MICE/RATS)</p> <p>IRRITATION TESTS (EYES)    Not known</p> <p>INHALATION                      Not known</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 12. | <p>ECOLOGICAL INFORMATION</p> <p>No Data available yet.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 13. | <p>DISPOSAL CONSIDERATIONS</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 14. | <p>TRANSPORT INFORMATION</p> <p>UN              UN No.      Not classified as dangerous goods</p> <p>ADR                      Not restricted</p> <p>DGR                      Not restricted</p> <p>IMDG                      Not restricted</p>                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 15. | <p>REGULATORY INFORMATION</p> <p>Data not available</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 16. | <p>OTHER INFORMATION</p> <p>Vitamin K2 powder 5% (MCC) has been proved no offensive smell, no infective danger or any other danger when transported.</p> <p>The information (including data and statements) in this Material Safety Data Sheet (MSDS) is based on experimental data and believed to be true and accurate as of the date issued. But all recommendations or suggestions are made without guarantee, since the conditions and methods of using the product and information referred to herein beyond the control of us. It is our policy, to assist our customers and to help solve particular problems, which may arise in applying our products.</p> |