

## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Trade name : VM-994 EU, 25 KG KA

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : Additive for human nutrition to be used for the fortification and/or colouration and/or stabilisation of foods and dietary supplements

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

Company : DSM Nutritional Products France S.A.  
Boulevard d'Alsace 1  
FR-68128 Village Neuf  
Telephone : +33389696900  
Telefax : +33389696625  
E-mail address : sds.nutritionalproducts@dsm.com  
Responsible/issuing person

### 1.4 Emergency telephone number

+33 389 69 69 00

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification (67/548/EEC, 1999/45/EC)

Not a hazardous substance or mixture.

### 2.2 Label elements

Special labelling of certain mixtures : Safety data sheet available for professional user on request.

### 2.3 Other hazards

Risk of dust explosion.

## 3. Composition/information on ingredients

Brief description of the product : Mixture

### 3.2 Mixtures

#### Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
nicotinamide	98-92-0 202-713-4	Xi; R36	Eye Irrit. 2; H319	>= 5 - < 10

For the full text of the R-phrases mentioned in this Section, see Section 16.  
For the full text of the H-Statements mentioned in this Section, see Section 16.

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**4. First aid measures****4.1 Description of first aid measures**

- General advice : No hazards which require special first aid measures.
- If inhaled : Move to fresh air.  
If symptoms persist, call a physician.
- In case of skin contact : Take off contaminated clothing and shoes immediately.  
Wash off with soap and plenty of water.
- In case of eye contact : Flush eyes with water as a precaution.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.
- If swallowed : Clean mouth with water and drink afterwards plenty of water.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.

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

- Symptoms : No specific symptoms known.

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

- Treatment : Treat symptomatically.

**5. Firefighting measures****5.1 Extinguishing media**

- Suitable extinguishing media : Water  
Foam

**5.2 Special hazards arising from the substance or mixture**

- Specific hazards during firefighting : None known.

**5.3 Advice for firefighters**

- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
Consider dust explosion hazard.

**6. Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

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Use personal protective equipment.  
Avoid dust formation.

**6.2 Environmental precautions**

Try to prevent the material from entering drains or water courses.

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

Sweep up and shovel.

**6.4 Reference to other sections**

For personal protection see section 8.  
For disposal considerations see section 13.

**7. Handling and storage****7.1 Precautions for safe handling**

Advice on safe handling : For personal protection see section 8.

Advice on protection against fire and explosion : Avoid dust formation.  
Provide appropriate exhaust ventilation at places where dust is formed.  
Take precautionary measures against static discharges.

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

Requirements for storage areas and containers : Keep container tightly closed and dry.

Advice on common storage : No special restrictions on storage with other products.

**7.3 Specific end use(s)**

Specific use(s) : not applicable

**8. Exposure controls/personal protection****8.1 Control parameters**

Components	CAS-No.	Value (Form of exposure)	Control parameters	Update	Basis
calcium pantothenate , D-form	137-08-6	TWA	10 mg/m3		DSM Internal Limit
pyridoxine hydrochloride	58-56-0	TWA	2 mg/m3		DSM Internal Limit

**8.2 Exposure controls****Personal protective equipment**

Respiratory protection : No personal respiratory protective equipment normally required.  
In case of high dust concentration use a dust mask applicable to local conditions.

Hand protection : for example nitrile rubber

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Eye protection : Safety glasses

Skin and body protection : Lightweight protective clothing

Hygiene measures : General industrial hygiene practice.

**9. Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Appearance : powder

Odour : No information available.

Odour Threshold : No information available.

pH : No data available

Melting point/range : not determined

Boiling point/boiling range : not determined

Flash point : not applicable

Flammability (solid, gas) : Not classified as flammable as defined by the transport regulations.

Vapour pressure : not applicable

Relative vapour density : not applicable

Density : not determined

Water solubility : not determined

Partition coefficient: n-octanol/water : not applicable

Auto-ignition temperature : No data available

Thermal decomposition : No data available

Explosive properties : No data available

Oxidizing properties : No data available

**9.2 Other information**

No data available

**10. Stability and reactivity****10.1 Reactivity**

No hazards to be specially mentioned.

**10.2 Chemical stability**

Stable under recommended storage conditions.

**10.3 Possibility of hazardous reactions**

Dust may form explosive mixture in air.

**10.4 Conditions to avoid**

Heat.

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**10.5 Incompatible materials**

Strong acids and strong bases  
Strong oxidizing agents

**10.6 Hazardous decomposition products**

No decomposition if used as directed.

**11. Toxicological information****11.1 Information on toxicological effects**

Skin corrosion/irritation : Prolonged skin contact may cause skin irritation.

Serious eye damage/eye irritation : Dust contact with the eyes can lead to mechanical irritation.

**12. Ecological information****12.1 Toxicity**

No data is available on the product itself.

**12.2 Persistence and degradability**

No data is available on the product itself.

**12.3 Bioaccumulative potential**

Bioaccumulation : No data available  
Partition coefficient: n-octanol/water : not applicable

**12.4 Mobility in soil**

Distribution among environmental compartments : No data available

**12.5 Results of PBT and vPvB assessment**

Assessment : not determined

**12.6 Other adverse effects**

Additional ecological information : There is no data available for this product.

**13. Disposal considerations****13.1 Waste treatment methods**

Product : Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging : Empty containers should be taken to an approved waste handling site for recycling or disposal.

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**14. Transport information****14.1 UN number****ADR**

Not dangerous goods

**RID**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

**14.2 Proper shipping name****ADR**

Not dangerous goods

**RID**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

**14.3 Transport hazard class****ADR**

Not dangerous goods

**RID**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

**14.4 Packing group****ADR**

Not dangerous goods

**RID**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

**14.5 Environmental hazards****ADR**

Not dangerous goods

**RID**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

Not dangerous goods

**14.6 Special precautions for user**

Not classified as dangerous in the meaning of transport regulations.

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

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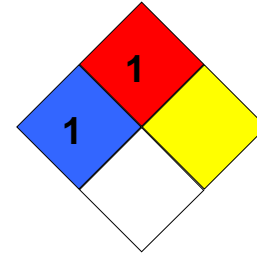
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No data available

**15. Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****NFPA Classification** : Health hazard: 1  
Fire Hazard: 1**15.2 Chemical Safety Assessment**

not applicable

**16. Other information****Full text of R-phrases referred to under sections 2 and 3**

R36 Irritating to eyes.

**Full text of H-Statements referred to under sections 2 and 3.**

H319 Causes serious eye irritation.

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 given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**Abbreviations:** 67/548/EEC= Dangerous Substances Directive. 1999/45/EC= Dangerous Preparations Directive. Regulation (EC) No. 1272/2008= Regulation on classification, labelling and packaging of substances and mixtures. DNEL= Derived No-Effect Level. PNEC= Predicted No-Effect Concentration. NFPA= National Fire Protection Association (USA). IATA= International Air Transport Association. IMDG= International Maritime Dangerous Goods. RID= International Rule for Transport of Dangerous Substances by Railway; ADR= European Agreement concerning the International Carriage of Dangerous Goods by Road. TWA= Time Weighted Average. STEL= Short term exposure limit. WEL = Workplace Exposure Limit.