

## VITAMIN B5 (CALCIUM-D-PANTOTHENATE)

### SECTION 1: PRODUCT IDENTIFICATION

**Product Name:** CALCIUM-D-PANTOTHENATE

**Product Code:** 1701

**CAS#:** 137-08-6

**Chemical Formula:**  $C_{18}H_{32}CaN_2O_{10}$

**Molecular Formula:** 476.53

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

**Name:** CALCIUM-D-PANTOTHENATE

**Chemical Formula:**  $C_{18}H_{32}CaN_2O_{10}$

**Molecular Formula:** 476.53

### SECTION 3: HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

This substance is not classified as dangerous according to Directive 67/548/EEC.

**Other hazards** - none

### SECTION 4: FIRST AID MEASURES

#### If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

#### In case of skin contact

Wash off with soap and plenty of water.

#### In case of eye contact

Flush eyes with water as a precaution.

#### If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

### SECTION 5: FIRE FIGHTING MEASURES

#### Suitable extinguishing media

Special powder against metal fire Dry sand Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### Special hazards arising from the substance or mixture

No data available

#### Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### Personal precautions and emergency procedures

Avoid dust formation. Avoid breathing vapours, mist or gas.

#### Environmental precautions



Do not let product enter drains.

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

Sweep up and shovel. Keep in suitable, closed containers for disposal.

### SECTION 7: HANDLING AND STORAGE

**Precautions:**

Keep away from heat. Keep away from sources of ignition.

**Storage:**

Store in cool, dry place in closed containers

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**Eye/face protection:**

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection:**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Respiratory protection:**

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance	:	White powder.
Odor	:	Not available
Taste	:	Not available
PH	:	Not available
Boiling Point	:	Not available
Melting Point	:	Not available
Critical Temperature	:	Not available
Specific Gravity	:	Not available
Vapor Pressure	:	Not applicable
Vapor Density	:	Not available
Volatility	:	Not available
Odor Threshold	:	Not available
Water/Oil Dist. Coeff.	:	Not available
Ionicity (in Water)	:	Not available
Dispersion Properties	:	Not available
Solubility	:	Not available

### SECTION 10: STABILITY AND REACTIVITY DATA

**Stability:** Stable under recommended storage conditions.

**Instability Temperature:** Not available.

**Conditions of Instability:** Excess heat.

**Incompatibility with various substances:** Strong oxidizing agents

**Special Remarks on Reactivity:** Not available.



### SECTION 11: TOXICOLOGICAL INFORMATION.

**Acute toxicity:** LD50 Oral - rat - > 10.000 mg/kg  
**Skin corrosion/irritation:** Not available.  
**Serious eye damage/eye irritation:** Not available.  
**Respiratory or skin sensitization:** Not available.  
**Carcinogenicity:** Not available.  
**Reproductive toxicity:** Not available.  
**Specific target organ toxicity - single exposure:** Not available.  
**Specific target organ toxicity - repeated exposure:** Not available.  
**Aspiration hazard:** Not available.

### SECTION 12: ECOLOGICAL INFORMATION

**Toxicity:** Not available.  
**Persistence and degradability:** Not available.  
**Bioaccumulative potential:** Not available.  
**Mobility in soil:** Not available.

### SECTION 13: DISPOSAL CONSIDERATIONS

**Waste Disposal:**  
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

### SECTION 14: TRANSPORT INFORMATION

<b>UN number:</b>		
<b>ADR/RID:</b>	<b>IMDG:</b>	<b>IATA:</b>
<b>UN proper shipping name</b>		
<b>ADR/RID:</b> Not dangerous goods		
<b>IMDG:</b> Not dangerous goods		
<b>IATA:</b> Not dangerous goods		
<b>Transport hazard class(es):</b>		
<b>ADR/RID:</b>	<b>IMDG:</b>	<b>IATA:</b>
<b>Packaging group:</b>		
<b>ADR/RID:</b>	<b>IMDG:</b>	<b>IATA:</b>
<b>Environmental hazards:</b>		
<b>ADR/RID:</b> no		
<b>IMDG Marine pollutant:</b> no		
<b>IATA:</b> no		

### SECTION 15: REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture:** Not available  
**Chemical Safety Assessment:** Not available

### SECTION 16: OTHER INFORMATION

**References:** Not available  
**Other Special Considerations:** Not available



The information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. The information is offered solely for user's obligation to investigate and determine the suitability of the information for their particular purpose.