

# MATERIAL SAFETY DATA SHEET

## Vitamin D2 100 CWS

### **(stabilized with dl - $\alpha$ - tocopherol)**

#### 1. Product and Company Identification

|              |   |
|--------------|---|
| Product name | Vitamin D <sub>2</sub> 100 CWS (stabilized with dl - $\alpha$ - tocopherol)   |
| Enquiries    | Piramal Healthcare Limited<br>Vitamins & Fine Chemicals Division<br>Mumbai - Agra Road, Balkum<br>Thane, Maharashtra, PIN 400 608 ,INDIA<br>Phone + 91 22 6768 6666.<br>Fax + 91 22 2534 8834 |

#### 2. Composition/Information on ingredients

| Ingredients (CAS no.)                               | Concentration (1 g contains) |
|---|------------------------------|
| Vitamin D <sub>2</sub> (Ergocalciferol)<br>Crystals | 2.5 mg                       |
| Corn Oil  | 31.3 mg                      |
| dl-alpha tocopherol                                 | 1.2 mg                       |
| Emulsifier  | 5.0 mg                       |
| Modified food starch                                | 700 mg                       |
| Sucrose (57-50-1)                                   | 240 mg                       |
| Colloidal silicon dioxide                           | 20 mg                        |

#### 3. Hazards identification

Hazard Overview                      may cause allergic reactions.

#### 4. First-aid measures

|              |   |
|--------------|---|
| Eye contact  | rinse immediately with tap water for 10 minutes - open eyelids forcibly<br>consult physician              |
| Skin contact | remove immediately contaminated clothes, wash affected skin with water and soap - do not use any solvents |
| Inhalation   | remove the casualty to fresh air and keep him/her calm<br>consult physician                               |

#### 5. Fire-fighting measures

|                              |   |
|------------------------------|---|
| Suitable extinguishing media | water spray jet, dry powder, foam, carbon dioxide |
| Flash point (liquid)         | not applicable                                    |
| Protection of fire-fighters  | precipitate gases/vapours/mists with water spray. |

## 6. Accidental release measures

Environmental protection      do not allow to enter drains or waterways  
Methods for cleaning up      clean contaminated areas with little ethanol.  
collect spills with inert adsorbent and hand over to waste removal.

## 7. Handling and storage

### Handling

Technical measures      processing in closed systems, superposed by inert gas (e.g. nitrogen)  
local exhaust ventilation necessary  
take precautionary measures against electrostatic charging  
Suitable materials      stainless steel, aluminium, enamel, glass

### Storage

Storage conditions      below 15°C  
for quality reasons under inert gas (e.g. nitrogen)  
protected from light  
Validity      18 months, < 15 °C, in the unopened original container, after opening  
the container, the contents should be used within a short period, see  
"best use before" date stated on the label  
Packaging materials      tightly closing; material: aluminium, coated steel, glass, food-  
approved plastics

## 8. Exposure controls/Personal protection

Engineering Measures      see 7.  
Monitoring      Data Not Available  
Analytics      sampling on glass fibre filter and gravimetric or chemical  
determination (consider possible autooxidation)  
Personal protective equipment  
Hand protection      protective gloves  
Eye protection      safety glasses

## 9. Physical and chemical properties

Color      yellowish white to pale yellow  
Form      free flowing powder

## 10. Stability and reactivity

Conditions to avoid      humidity, light and air: gradual decomposition - on warming  
Materials to avoid      copper, copper alloys, iron, iron salts, strong oxidizing agents,  
peroxides, strong inorganic acids, strong bases.  
Note      In case of extensive air contact (soaked rags, moistened clothes) an  
exothermic auto oxidation is possible.

## **11. Toxicological information**

Acute toxicity - LD50 Above 1000 mg/kg (oral, rat)

## **12. Ecological Information :**

Ready biodegradability easily biodegradable  
not readily biodegradable 33 %,

## **13. Disposal considerations**

Waste from residues incinerate in qualified installation with flue gas scrubbing  
observe local/national regulations regarding waste disposal

## **14. Transport information**

Note not classified by transport regulations, proper shipping name non-regulated

## **15. Regulatory information**

Specific data not available.

## **16. Other information**

Use food additive.  
pharmaceutical active substance in vitamin preparations