



VATJAT PHARMA FOODS PVT. LTD.

ISO 22000 Certified & *fssai* Certified Company

Head Office : R-50 industrial Estate, Hegde Road,
Kumta-581343 (U.K.)

Branch: Unit-I: 90L, L1 & 90M1, 2nd stage
KIADB Ind. Area Tarihal Hubballi-580026
Karnataka State India

Unit-II: Plot No. 210 2nd Stage KIADB Ind.
Estate Gamanagatti Hubballi – 580026.

Email: vatjatpf2018@gmail.com

MATERIAL SAFETY DATA SHEET (MSDS)

PRODUCT: CALCIUM CHLORIDE DIHYDRATE FOOD GRADE

1.0 CHEMICALS PRODUCT AND IDENTIFICATION

Chemical Name : Calcium Chloride Dihydrate Food Grade

CAS No. : 10035-04-8

Chemical Formula : $\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$

Molecular Weight: : 147.01 g/mol

Appearance : White Crystalline Powder, Hygroscopic

Manufacturer : Vatjat Pharma Foods (P) Ltd.

Address : R-50, Industrial Estate, Hegde Road, Kumta 581343 (U.K.) Karnataka, India

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Hubballi- 580026 Karnataka State India

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2.0 COMPOSITION/ INFORMATION ON INGREDIENTS

Component Name	CAS No.	Conc. (%w/w)
Calcium Chloride	10035-04-8	100%

3.0 HAZARD IDENTIFICATION

Potential Acute Health Effects: Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects: CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to heart. Repeated or prolonged exposure to the substance can produce target organs damage.



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4.0 FIRST AID MEASURES

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.

Skin Contact: In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact: Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

5.0 FIRE AND EXPLOSION DATA

Extinguishing media: Non-combustible, in case of fire use any extinguishing agent water or CO2 may be used.

Flash Points: Not applicable

Special Explosion Hazards: Not applicable

Fire fighting guidance: None

Protective equipment for fire- fighting: Wear adequate personnel protection to prevent contact with material or its combustion products. Self-contained breathing apparatus with a full face piece operated in pressure demand or other positive pressure mode.

6.0 ACCIDENTAL RELEASE MEASURES

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.



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Large Spill: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

7.0 HANDLING AND STORAGE

Precautions:

Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes. Keep away from incompatibles such as metals, acids.

Storage: Hygroscopic. Keep container tightly closed. Keep container in a cool, well-ventilated area.

8.0 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill: splash goggles. Full suit. Dust respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

9.0 PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance: Solid.

Odour: Odourless.

Taste: Not available.

Molecular Weight: 147.01 g/mole

Colour: White.

pH (1% soln/water): 8-10 (5% solution)

Boiling Point: Not available.

Melting Point: 175.5°C (347.9°F)



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Critical Temperature: Not available.

Specific Gravity: Bulk density: 0.835 (Water = 1)

Vapour Pressure: Not applicable.

Vapour Density: Not available.

Volatility: Not available.

Odour Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water.

Solubility: Easily soluble in cold water, hot water. Freely soluble in alcohol.

10.0 STABILITY AND REACTIVITY DATA

Stability: The product is stable.

Instability Temperature: Not available

Conditions of Instability: Dust generation, exposure to moist air or water, incompatible materials

Incompatibility with various substances: Reactive with metals, acids.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:

Hygroscopic; keep container tightly closed. Methyl Vinyl Ether, Zinc, Reacts violently with Boric acid and Calcium Oxide, Bromine Trifluoride, 2-Furanpercarboxylic acid, boron oxides, solutions attack some metals.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.



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11.0 TOXICOLOGICAL INFORMATION

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals:LD50: Not available. LC50: Not available.

Chronic Effects on Humans: May cause damage to the following organs: heart.

Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: May affect genetic material (mutagenic)

Special Remarks on other Toxic Effects on Humans:Acute Potential Health Effects: Skin: Causes skin irritation with possible burning sensation especially if skin is wet or moist. Eyes: Causes eye irritation. Inhalation: Causes respiratory tract and mucous membrane irritation with burning sensation and pain in nasal cavities, occasional nose bleeding and tickling in the throat. Ingestion: May be harmful if swallowed. May cause severe gastrointestinal tract irritation with nausea, and vomiting. May cause cardiac disturbances (slowing of heart rate, arrhythmia, tachycardia, heart fibrillation). May affect behavior (somnolence, convulsions). Chronic Potential Health Effects: Ingestion: May affect the musculoskeletal system, blood, brain, heart, and metabolism (weight loss),

12.0 ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation: Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

13.0 DISPOSAL CONSIDERATIONS

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



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14.0 TRANSPORT INFORMATION

UN number: Not a DOT controlled Material (United States).

UN Class: Not applicable

UN packing group: Not applicable.

15.0 OTHER REGULATORY INFORMATION

Calcium Chloride Dihydrate Food Grade CAS No : 10035-04-8

Component name: Calcium Chloride Dihydrate Food Grade

Grade: As mentioned on the label.

Hazardous labeling: Not available

Hazardous statement: Slightly hazardous

EC Symbol: Not available

**The following precautions appear in the
'PRECAUTIONS' section of label/ leaflet
(if applicable or required)**

Avoid contact with skin and eyes

16.0 OTHER INFORMATION

The above information is intended to give general health and safety guidance on the storage and transport of the substance or product to which it relates. The information provided in this safety data sheet is believe to be accurate and represents the best information currently available us.