



MATERIAL SAFETY DATA SHEET

ANHYDROUS EMCOMPRESS[®]

1. PRODUCT AND COMPANY DESCRIPTION

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Product Name: **Anhydrous Emcompress[®]** Other Names: Anhydrous dibasic calcium phosphate USP, Ph. Eur.

Chemical Name: Dicalcium orthophosphate.
Molecular Formula: CaHPO₄
Molecular Weight: 136.06

2. PRODUCT INFORMATION

Chemical Description: Insoluble anhydrous inorganic phosphate.
CAS: 7757-93-9
EINECS: 231-826-1
Supply Class: Non-hazardous.

3. HAZARDS IDENTIFICATION

Hazard Class: Not regulated.
Health Hazard: May be harmful if ingested in great quantity. May be irritating to eyes and if inhaled as dust.

4. FIRST AID MEASURES

Eyes: Irrigate thoroughly with water. If discomfort persists obtain medical attention.
Skin: Wash off thoroughly with soap and water.
Ingestion: No hazard anticipated from ingestion incidental to industrial exposure. Wash out mouth thoroughly with water. In severe cases obtain medical attention.
Inhalation: Non-hazardous; nuisance dust. Remove from exposure. If irritation persists obtain medical attention.

5. FIRE FIGHTING MEASURES

Extinguishing Media: Not applicable; non-flammable.
Fire and Explosion Hazards: Does not burn; hot material may ignite other combustible materials.
Protective Measures: Not applicable.
Hazardous Decomposition: Not applicable.

6. ACCIDENTAL RELEASE MEASURES (SPILLAGE)

Personal Precautions: Dust mask, goggles, (c)overalls and gloves recommended.
Environmental Precautions: Non-hazardous. Spills of this material are not subject to any special reporting requirements under current environmental legislation in either the USA or European Union.
Recovery: Sweep up product and dispose of in accordance with local regulations.



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7. STORAGE AND HANDLING (IN NORMAL USE)

Storage: Store in a well-closed container to avoid contamination by other materials.

Ventilation: Use local ventilation. Dusting may occur.

Handling: Dust mask, gloves, (c)overalls and goggles recommended when handling the powder. Cleaning procedures should minimise any dust creation.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION (NORMAL USE)

Occupational Exposure Limits: Non-hazardous nuisance dust. OSHA Permissible Exposure Limit (PEL) for nuisance dusts: 15 mg/m³ total dust and 5 mg/m³ respirable fraction.

Engineering measures: Use local ventilation. Dusting may occur.

Personal Protective Equipment: Respiratory: Dust mask recommended.
Hand: Gloves recommended.
Eye: Goggles recommended.
Other: (C)overalls recommended.

9. PHYSICAL/CHEMICAL PROPERTIES

Appearance: White powder.

Odor: Odorless.

pH (as delivered): Not applicable.

Viscosity: Not applicable.

Boiling Point: Not applicable.

Flash Point: Not applicable.

Vapor Pressure: Not applicable.

Vapor Density: Not applicable.

Tapped Density: 0.8 - 1.1 g/ml

Solubility: Sparingly soluble in water; soluble in dilute acids; practically insoluble in organic solvents.

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions of storage.

Conditions to avoid: High temperature.

Materials to avoid: Strong oxidising agents.

Recommended Materials for Process/Handling Equipment: Materials normally used in the construction of processing equipment for the food/pharmaceutical industries.

11. TOXICOLOGICAL INFORMATION

Short Term: None known. No hazard anticipated incidental to industrial exposure.

Eyes: None known. No hazard anticipated incidental to industrial exposure. Mechanical irritant. May cause scratching to eye surfaces.

Skin: None known. No hazard anticipated incidental to industrial exposure.

Ingestion: None known. No hazard anticipated incidental to industrial exposure. May be harmful if ingested in great quantity.

Inhalation: None known. No hazard anticipated incidental to industrial exposure. May be irritant.

Long Term Effects: No evidence of carcinogenic, mutagenic, or teratogenic effects.



MATERIAL SAFETY DATA SHEET

ANHYDROUS EMCOMPRESS[®]

12. ECOLOGICAL INFORMATION

Bioavailability: No data; practically insoluble.
Aquatic Toxicity: No data.
Other: Non-biodegradable.

13. DISPOSAL CONSIDERATIONS

May be disposed of in accordance with local regulations.

14. TRANSPORT INFORMATION (REGULATIONS)

Packaging (Size & Description): 55-kg fibreboard drum
Transport Classification: Not regulated.
Identification Number: Not applicable.
Proper Shipping Name: Not applicable.
ICAO/IATA/IMDG Class: Not applicable.
Subsidiary Risk: Not applicable.
Packing Group: Not applicable.
ADR Class: Not applicable.
Transport Hazard Symbol: None.
Hazard Ident Number: Not regulated.
Emergency Action Code: Not applicable.
Other: None.

15. REGULATORY INFORMATION (Supply & Labelling)

Supply Classification: Not Regulated.
Hazard Pictogram: Not required.
Risk Phrases: This material is generally regarded as safe when handled and used in an appropriate manner.
Safety Phrases: This material is generally regarded as safe when handled and used in an appropriate manner.
Other Applicable Regulations: None known.

16. OTHER INFORMATION

None.

<p>The above information is believed to be correct but is not purported to be all-inclusive and shall be used as a guide. JRS Pharma shall not be held liable for any damage resulting from handling or from contact with the above product.</p>
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