



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/m ³ total dust and 5 mg/m ³ 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.



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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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