

Section 1 - Product and Company Identification

1.1 Product identifiers

Product name: **Adju-Phos[®]**
Catalog code: vac-phos-250
CAS number: 7784-30-7

Adju-Phos[®] is a trademark of Croda.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified use: Laboratory chemicals

Disclaimer: All InvivoGen products are supplied for research and laboratory use only. Not for drug, household or other uses.

1.3 Details of the supplier of the safety data sheet

Supplier: InvivoGen USA, 10515 Vista Sorrento Parkway
San Diego, California 92121, USA
(+1) 888 457 5873

InvivoGen Europe, 5 rue Jean Rodier
31400 Toulouse, France
+33 (0) 5 62 71 69 39

InvivoGen Hong Kong, Unit 106, 1F,
15W Phase 3 Hong Kong Science Park,
Pak Shek Kok, Hong Kong
+852 3622 3480

Manufacturer: Croda, Elsenbakken 23
DK-3600 Frederikssund
Denmark
+45 47 38 47 00

1.4 Emergency telephone number: ORFILA (INRS): +33 (0)1 45 42 59 59

Section 2 – Hazards Identification

2.1 Classification of substance according to Regulation (EC) No 1272/2008 [EU-GHS/CLP] and GHS

Not a hazardous substance or mixture.

2.2 Label elements according to Regulation (EC) No 1272/2008 [CLP] and GHS

Not a hazardous substance or mixture.

2.3 Other hazards – none

PBT/vPvB: no ingredients are PBT/vPvB, according to the criteria in REACH Annex XIII.

Section 3 – Composition/Information on Ingredient

3.2 Mixtures

Ingredient	CAS Number	Classification	Percentage
Aluminum phosphate Formula: AlPO ₄ Molecular Weight: 122 g/mol	7784-30-7	None	2 %

Section 4 – First Aid Measures

4.1 Description of first aid measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled: If breathed in, remove to fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact: Wash skin with soap and plenty of water. Consult a physician.

In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labeling (see section 2.2) and/or in section 11.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

Section 5 – Fire Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media: Use water spray, carbon dioxide, dry chemical powder or appropriate foam.

5.2 Specific hazards arising from the chemical

No data available

5.3 Special Firefighting Procedures

Wear self-contained breathing apparatus for firefighting if necessary.

Section 6 – Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapors accumulating to form explosive concentrations. Vapors can accumulate in low areas.

For personal protection see section 8.

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

6.3 Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal according to local regulations (see section 13).

6.4 Reference to other sections

For disposal see section 13.

Section 7 – Handling and Storage

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed.
For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place.
Recommended storage temperature: 15-25°C (room temperature).

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

Section 8 – Exposure Controls/PPE

8.1 Control parameters

Occupational exposure limits (EH40/2007):

Substance	8-hour TWA	15-min STEL	Comments
Aluminium salts, soluble	2 mg/m ³	-	-
DNEL/PNEC: No chemical safety report			

8.2 Exposure controls

Appropriate engineering controls

General industrial hygiene practice.

Personal protective equipment

Eye/face protection

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.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific workplace. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

Section 9 – Physical/Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state: Gel in aqueous suspension

Color: White

Safety Data

Odor: Neutral

Odor threshold: No data available

pH: 6.0-7.0 (at the time of production)

Melting point/freezing point: No data available

Initial boiling point and boiling range: No data available

Flash point: No data available

Evaporation rate: No data available

Flammability: No data available

Upper/lower flammability or explosive limits: No data available

Vapor pressure: No data available

Relative density: No data available

Solubility in water: Insoluble in water

Partition coefficient (n-octanol/water): No data available

Autoignition temperature: No data available

Decomposition temperature: No data available

Viscosity: No data available

9.2 Other safety information

no data available

Section 10 – Stability and Reactivity**10.1 Reactivity:** No data available**10.2 Chemical stability:** Stable under recommended storage conditions.**10.3 Possibility of hazardous reactions:** No data available**10.4 Conditions to avoid:** No data available**10.5 Incompatible materials:** No data available**10.6 Hazardous decomposition products:** No data available**In case of fire:** See section 5**Section 11 – Toxicological Information****11.1 Information on toxicological effects****Acute toxicity:**

Oral LD50: No data available

Inhalation LC50: No data available

Dermal LD50: No data available

Other information on acute toxicity: No substances with classified toxicological properties. Information on likely routes of exposure: skin, lungs and gastrointestinal tract.

Symptoms

Inhalation: Vapours may cause slight irritation to the airways.

Skin: May cause slight irritation with redness.

Eyes: May cause slight irritation with redness and pain.

Ingestion: May cause irritation of the gastrointestinal tract.

Chronic effects: None known

Skin corrosion/irritation: No data available**Serious eye damage/irritation:** No data available**Respiratory or skin sensitization:** No data available**Germ cell mutagenicity:** No data available**Carcinogenicity:** No data available**Reproductive toxicity:** No data available**Additional information:** No data available

Section 12 – Ecological Information

12.1 Toxicity: No data available

12.2 Persistence and degradability: No data available

12.3 Bioaccumulative potential: No data available

12.4 Mobility in soil: No data available

12.5 Results of PBT and vPvB assessment: PBT/vPvB assessment not available as chemical safety assessment not required or not conducted.

12.6 Other adverse effects: No data available

Section 13 – Disposal Considerations

13.1 Waste treatment methods

Product: Observe all federal, state and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Must not be disposed of together with household garbage.

Contaminated Packaging: Dispose of as unused product.

EWC-code: 15 05 09 (mixture); 15 02 03 (paper towels, inert materials, etc. contaminated with the mixture)

Section 14 – Transport Information

14.1 UN number

ADR/RID: - DOT (US): - IMDG: - IATA: -

14.2 UN proper shipping name

not dangerous goods

14.3 Transport hazard class(es)

ADR/RID: - DOT (US): - IMDG: - IATA: -

14.4 Packaging group

ADR/RID: - DOT (US): - IMDG: - IATA: -

14.5 Environmental hazards

ADR/RID: no DOT (US): no IMDG Marine pollutant: no IATA: no

14.6 Special precautions for user

no data available

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

Section 15 – Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

no data available

15.2 Chemical Safety Assessment

no data available

Section 16 – Other Information

The information contained in this SDS relates only to the material(s) designated and does not relate to use(s) in combination with any other material, process(es) and/or chemical reaction(s). InvivoGen provides this information in good faith and is based on our present knowledge. This SDS is provided without warranty of any kind. The recipient is responsible for ensuring that, where applicable, existing laws and guidelines are observed.