



## MATERIAL SAFETY DATA SHEET

### ALPHA D3

#### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** ALPHA D3

**GENERIC NAME:** 1- alpha-hydroxyvitamin D<sub>3</sub>

**USE:** Feed additive.

**MANUFACTURER:** ADITIVOS Y QUÍMICOS S.A.S - ADIQUIM S.A.S  
Freeway Medellín – Bogotá, Km 1.5 airport José María Córdova way, sidewalk San José, Guarne, Antioquia – Colombia.  
PBX: 574- 6042400 / Fax (+57 4) 288 0360.  
E-mail: info@adiquim.com; www.adiquim.com

**EMERGENCY PHONES:** CISTEMA: +57 (1) 405 5911 ó  
018000511414 (Opción 1)

#### 2. COMPOSITION/INFORMATION ON COMPONENTS

Chemical name of components	CAS
Penaut oil	800-03-07
BHT	128-37-0
1 – alpha - Hydroxyvitamin D3	41294-56-8
Dextrin	9004-53-9
Prosorb 60	1338-41-6
Sorbic acid	110-44-1
Sodium Bemzoate	532-32-1



### 3. HAZARD IDENTIFICATION

Inhalation:

This product can produce a nuisance dust which should be maintained below a time weighted average of 10 mg/m<sup>3</sup>.

Ingestion:

2.5 mg maximum safe human daily intake.

Skin contact:

Low order of toxicity.

Eye contact:

Particulates may scratch eye surfaces and cause mechanical irritation.

### 4. FIRST-AID MEASURES

Inhalation:

Remove to fresh air. Get medical attention if irritation persists.

Ingestion:

If greater than 2.5 mg are ingested, wash mouth out with water. Contact a physician.

Skin contact:

Wash skin with soap and water.

Eye contact:

Remove particles by irrigating with eye wash solution or clean water, holding the eyelids apart.

### 5. FIRE-FIGHTING MEASURES

Extinguishing media:

Dry Chemical; CO<sub>2</sub>; Water Fog; Foam.

Special firefighting procedures:

No special procedures are required.

Fire & explosion hazards:

Minimum ignition temperature of dust cloud 390 °C approx. Minimum explosive concentration 62 mg/l approx. Minimum energy to ignite cloud by electrical spark 0.045 Joules approx.



Hazardous combustion products:

This product does not undergo spontaneous decomposition. Typical combustion products are carbon monoxide, carbon dioxide, nitrogen and water.

Lower explosion limit (%): Not applicable.

Upper explosion limit (%): Not applicable.

Auto ignition: Not available.

Flash point: Not applicable.

## 6. ACCIDENTAL RELEASE MEASURES

Spill and leak procedures: Normal precautions for "nuisance dust" should be observed. Avoid prolonged inhalation of dust. Sweep up or vacuum up and place in suitable container for disposal. For safety and environmental precautions, please review entire Material Safety Data Sheet for necessary information.

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## 7. HANDLING AND STORAGE

Handling:

Always wear personal protection, short exposure or activity with the product, maintain strict industrial hygiene standards and observe safety practices. Do not smoke, drink or eat while handling the product and wash thoroughly with soap and water after handling.

Storage:

Keep the product in well-closed containers, in a cool and ventilated place, away from sources of ignition and heat.

KEEP OUT OF THE REACH OF CHILDREN.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation requirements: General.

Eye protection requirements: Chemical safety glasses.

Glove requirements: Gloves are not normally required for foreseeable conditions of use.

Clothing requirements: Not Applicable.

Change/removal of clothing: wash before eating, drinking, or using toilet facilities.

Page 3 of 6

ALPHA D3

Reviewed: 31/03/2022



Respirator requirements: NIOSH approved dust mask.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Pure substance or mixture:	Mixture
Physical form:	Crystalline powder
Color:	Green
Odor:	Slight
Odor threshold:	Not available
Oxidizing properties:	Not applicable
Boiling point:	Not applicable
Melting/freezing point:	Not applicable
Solubility in water:	Soluble
Partition coefficient (n-octanol/water):	Not applicable
Viscosity:	Not applicable
Specific gravity (water = 1):	1.5
Bulk density:	Not applicable
Evaporation rate:	Not applicable
Vapor pressure (mmHg):	Not applicable
Vapor density (air = 1):	Not applicable
Volatiles:	None
Volatile organic compounds:	Not applicable
Autoignition:	Not available
Flash point:	Not applicable

## 10. STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions of handling and storage.

Hazardous decomposition products: This product does not undergo spontaneous decomposition. Typical combustion products are carbon monoxide, carbon dioxide, nitrogen and water.

The product does not present incompatibilities with any ingredient intended for the manufacture of animal feed.

## 11. TOXICOLOGICAL INFORMATION

Route of entry: Eye contact; Skin contact; Inhalation; Ingestion.



Acute (short term) effects of exposure: None.

Chronic (long term) effects of exposure: This product is considered potentially toxic if more than 2.5 mgs per day are consumed. Use of good industrial hygiene practices is recommended.

Target organs: his product is considered toxic if more than 2.5 mg per day is consumed. The use of good industrial hygiene practices is recommended.

## 12. ECOLOGICAL INFORMATION

Bioaccumulative potential: Unknown.  
Aquatic toxicity: None established.  
Do not disperse in the environment.  
Avoid water contamination and drainage systems.

## 13. DOSPOSAL CONSIDERATIONS

Waste disposal methods: Disposal should be in accordance with local, state or national legislation.

Empty container warnings: Empty containers may contain product residue; follow MSDS and label warnings even after they have been emptied.

## 14. TRANSPORT INFORMATION

Transport on pallets, in closed vehicle and protected from humidity. This product in powder form is not dangerous according to the criteria of the transport regulations (ADR RID ADNR IMDG / GGV See ICAO / ATA); the product is not dangerous to public health, animal and the environment. This section provided for general information only. For more complete transportation regulatory information please refer to the Shipping documents accompanying the shipment of this product.

## 15. REGULATORY INFORMATION

H-phrases:

- H305 May be harmful if swallowed and enters airways
- H317 May cause an allergic skin reaction
- H320 Causes eye irritation.
- H333 May be harmful if inhaled

P-phrases:

- P301+ 310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
- P331 Do not induce vomiting.



- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
- P280 Wear protective gloves.
- P333 + P313 In case of skin irritation or rash: seek medical advice.
- P264 Wash hands thoroughly after handling.
- P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses when they are present and can be done easily. Continue with the wash.
- P304 + P312 IF INHALED: Call a POISON CENTER/doctor/if person is unwell.

## 16. OTHER INFORMATION

### **Notice to reader:**

ADITIVOS y QUÍMICOS S.A.S. acronym ADIQUIM S.A.S., declares that the information contained herein corresponds to general descriptions of the materials and that the properties of the product cannot be inferred from this information. It is the responsibility of the subsidiaries to use the information according to the composition of the product and to observe the international laws and regulations and chemical safety. All materials may present unknown hazards and should be used with caution. While this information describes certain hazards, we cannot guarantee that they are the only ones that exist.