

1. PRODUCT IDENTIFICATION AND COMPANY INFORMATION

Product Name	Smart D
Product Description	25 Hydroxyvitamin D3 \geq 62.5 mg/lb
Brand	Nutribins
Identified Use	For further manufacture of animal feeds
Company	Nutribins LLC, 440 N Barranca Ave. #5205, Covina, CA 91723
Telephone	1- 866-605-0588
Emergency Phone	1- 800-424-9300 (CHEMTREC)

2. HAZARDS IDENTIFICATION

Physical Hazards	Not classified
Health Hazards	Not classified
Signal Word	Not classified
Hazard Statements	Not classified

Prevention Precautionary Statements

None

Response Precautionary Statements

None

Storage Precautionary Statements

None

Disposal Precautionary Statements:

Dispose of contents/container in accordance with local/ regional/ national/ international regulation

Other Hazards:

No data available

3. COMPOSITION/INFORMATION ON INGREDIENTS

25-hydroxyvitamin D3	CAS 63283-36-3	62.5 mg/lb
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4. FIRST AID MEASURES

Skin Exposure

In case of skin contact, flush with copious amounts of water. If irritation persists, call a physician.

Eye Exposure

In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. If irritation persists, call a physician.

Inhalation Exposure

If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician.

Oral Exposure

If swallowed, wash out mouth with water provided person is conscious. Call a

physician.

Most important symptoms and effects, both acute and delayed

No data available

Indication of any immediate medical attention and special treatment needed

No data available

5. FIRE FIGHTING MEASURES

Extinguishing media

Suitable: Water spray, dry powder, foam, carbon dioxide

Special hazards arising from the substance or mixture

Dust explosion hazard

Advice for firefighters

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Fire-extinguishing work is done from the windward. Uninvolved persons should evacuate to a safe place.

6. ACCIDENTAL RELEASE MEASURES

Personal precaution, protective equipment and emergency procedures

Use personal protective equipment. Keep people away from and upwind of spill/leak. Ensure adequate ventilation. Avoid breathing dust. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc.

Environmental precautions

Do not let product enter drains. Avoid release to the environment.

Methods and materials for containment and cleaning up

Sweep up with spade and transfer to a dry, clean, lidded container for disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

7. HANDLING AND STORAGE

Handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Storage

Store in tightly closed original container, protected from light, in a dry place at room or lower temperature. Use within a short period if opened. Validity: 12 months $\leq 25^{\circ}\text{C}$.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Not set up

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal Protective Equipment

Respiratory: Wear government approved respirator
Eye: Wear chemical safety glasses
Clothing: Wear appropriate protective clothing
Hand: Wear compatible protective gloves

Other Protect

No smoking, drinking and eating at working site.
Wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White to off-white Powder
Odor	No data available
Odor Threshold	No data available
pH Value	No data available
Solubility	Dispersible, water
Melting point/Freezing point	No data available
Boiling Point, Initial Boiling Point and Boiling Range	Not applicable
Flash Point (Closed Cup)	Not applicable
Density/Relative Density	No data available
Density Viscosity	Not applicable
Upper/Lower Flammability or Explosive Limits	No data available
Vapor Pressure	No data available
n-Octanol/Water	
Partition Coefficient	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Flammability (Solid, Gas)	Not classified in Division 4.1 Flammable Solids

10. STABILITY AND REACTIVITY

Reactivity	No data available
Chemical stability	Stable under recommended condition
Possibility of hazardous reactions	No data available
Conditions to avoid	Light, Warming, Humidity, Air
Incompatible materials	Strong oxidizing agents, acid chlorides, acid anhydrides
Hazardous Decomposition Products	Carbon oxides

11. TOXICOLOGICAL INFORMATION

Acute toxicity	Oral LD50 ≥200mg/kg (oral, rat, pure product, 25-Hydroxy Vitamin D3) ≥800mg/kg (oral, rat, pure product, BHT) ≥800mg/kg (injection, rat, pure product, BHT)
Skin Corrosion/Irritation	Non-irritant
Serious eye damage/irritation	Non-irritant
Respiratory or skin sensitization	No data available.
Germ cell mutagenicity	Not mutagenic (Ames test).
Carcinogenicity	

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is on

OSHA's list of regulated carcinogens.

Reproductive toxicity	may lead to malformations at dose levels that cause maternal toxicity
Specific target organ toxicity	
- Single exposure	No data available
Specific target organ toxicity	
- repeated exposure	Chronic overdosage may lead to formation of renal calculi, bone demineralisation and formation of calcination foci in lung and kidneys up to renal insufficiency. NOAEL 0.012 mg/kg/d (oral, rat; 180 d)
Aspiration hazard	No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Other adverse effects	No data available

13. DISPOSAL CONSIDERATIONS

Appropriate Method of Disposal of Substances:

Observe all federal, state, and local environmental regulations.

14. TRANSPORT INFORMATION

RID/ADR	Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.
IATA DGR	Non-Hazardous for Air Transport
IMO IMDG CODE	Non-Hazardous for Sea Transport

15. REGULATORY INFORMATION

SARA 302 Components

This material does not contain any components with a section 302 EHS TPQ.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

16. OTHER INFORMATION

Revision Date: 2022-9-10

Disclaimer

This information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specific in the text.