



## SAFETY DATA SHEET

### 1 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Identification of the substance or preparation:**

Name: MICROVIT D3 PROMIX 500

Product code: ADI010


**Company/undertaking identification:**

Registered company name: Adisseo France S.A.S

Address: Immeuble Antony Parc II - 10, Place du Général de Gaulle 92160 Antony France

Telephone: +33 (0)1 46 74 70 00. Fax: +33 (0)1 40 96 96 96. Telex: -.

Email: fds@adisseo.com

http://www.adisseo.com

**Emergency telephone: +33 (0)1 45 42 59 59.**
Association/Organisation: INRS / ORFILA <http://www.centres-antipoison.net>.
**Other emergency telephone numbers:**

CareChem (24h/24): +44 (0) 208 762 8322

**Use of the substance/preparation:**

Additive for animal feed.



### 2 - HAZARDS IDENTIFICATION

This product is not classified as flammable. Refer to the recommendations regarding the other products present on the site

Possibility of serious noxious effects in the event of repeated or prolonged exposure and by swallowing.

Possibility of acute, lethal, toxic effects with symptoms of poisoning by inhalation.

**Preparation classification:**


Toxic

R 23	Toxic by inhalation.
R 48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed.

**Other data:**

Dusts can form an explosive mixture with air.

### 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Full text of risk phrases appearing in section 3: see section 16.

**Hazardous substances present on their own:**

(present in the preparation at a sufficient concentration to give it the toxicological characteristics it would have in a 100% pure state)

This preparation contains no hazardous substance in this category.

**Other substances representing a hazard:**

INDEX	CAS	EC	Name	Symb.	R:	%
603-180-00-4	67-97-0	200-673-2	COLECALCIFEROL	T+	48/25 26 24/25	1 <= x % < 2.5

**Substances present at a concentration below the minimum danger threshold:**

No known substance in this category present.

**Other substances with occupational exposure limits:**

No known substance in this category present.

**Other components:**

Minimum concentration: 500,000 UI/g.

Conversion factor: 1 µg = 40 UI.

Sugar, starch, gelatine, vegetable oil.

**4 - FIRST AID MEASURES**

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing in an unconscious person.

**In the event of exposure by inhalation:**

In the event of inhalation, move the patient into the fresh air and keep him/her warm and still.

If breathing is irregular or has stopped, effect mouth-to-mouth resuscitation and call a doctor.

Do not give the patient anything orally.

If the person is unconscious, place in the recovery position and call an ambulance.

**In the event of splashes or contact with eyes:**

Wash thoroughly with soft, clean water for 15 minutes holding the eyelids open.

If there is any redness, pain or visual impairment, consult an ophthalmologist.

**In the event of splashes or contact with skin:**

Wash skin immediately and thoroughly with water.

**In the event of swallowing:**

Keep still. DO NOT induce vomiting.

Consult a doctor and show him the label.

**5 - FIRE-FIGHTING MEASURES**

Combustible.

Dusts can form an explosive mixture with air. Possibility of electrostatic charge accumulation during handling. Earthing the equipment is recommended (for operations conducted in a confined atmosphere).

Keep packages near the fire cool, to prevent pressurised containers from bursting.

**Suitable extinguishing media:**

Sprayed water, foam, dry powder, carbon dioxide (CO<sub>2</sub>).

**Extinguishing media which must not be used for safety reasons:**

Do not use large water jets.

**Special protective equipment for fire-fighters:**

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

**6 - ACCIDENTAL RELEASE MEASURES****Personal precautions:**

Avoid inhaling dust.

Consult the safety measures listed under headings 7 and 8.

If a large quantity has been spilt, evacuate all personnel and only allow intervention by trained operators equipped with safety apparatus.

**Environmental precautions:**

Prevent any material from entering drains or waterways.

Use drums to dispose of waste recovered in accordance with applicable regulations (see heading 13).

If the product contaminates waterways, rivers or drains, alert the relevant authorities in accordance with statutory procedures

**Methods for cleaning up:**

Prevent the formation of dusts.

Retrieve the product by mechanical means (sweeping/vacuuming).

Once the product has been fully absorbed, ventilate the area and wash the spillage area.

**7 - HANDLING AND STORAGE**

The regulations relating to storage premises apply to workshops where the product is handled.

**Handling:**

Handle in well-ventilated areas.

Avoid inhaling dusts.

**Recommended equipment and procedures:**

For personal safety, see §8.

Observe precautions stated on label and also industrial safety regulations

In all cases, recover emissions at source

Also provide breathing apparatus for certain short tasks of an exceptional nature and for emergency interventions

Do not breathe in dust.

**Prohibited equipment and procedures:**

Smoking, eating and drinking are prohibited in premises where the preparation is used

Never open the packages under pressure

**Storage:**

Store away from light, in a cool, dry and well-ventilated area.

Store at a temperature below 25°C.

Only store in the original receptacle.

Store receptacles dry and hermetically closed to prevent absorption of humidity and contamination.

**Specific use(s):**

Recommended packaging material: Cardboard box with internal aluminium skin.

## 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Use personal protection equipment as per Directive 89/686/EEC.

**Technical measures:**

Ensure adequate ventilation, if possible with extractor fans at work posts and appropriate general extraction.

Check the atmosphere periodically.

If this ventilation is insufficient to maintain the concentration of dust below the exposure limits, wear breathing apparatus.

Provide safety showers and eye washes in workshops where the product is handled constantly.

**Respiratory protection:**

Anti-aerosol filters

- P3 (white)

**Hand protection:**

Type of gloves recommended :

- Neoprene
- PVC (polyvinylchloride)
- Natural rubber

**Eye and face protection:**

Wear safety goggles.

**Skin protection:**

For further information, see § 11 of S.D.S. - Toxicological information.

**Environmental exposure controls:**

Never eat, drink or smoke during use. Ensure that there is adequate ventilation, especially in confined areas.

## 9 - PHYSICAL AND CHEMICAL PROPERTIES

**General information:**

Physical state:	powder or dust
Colour:	Yellow or cream.
Odour:	Mild.
Empirical formula :	C27H44O
Molecular weight:	384.65
Particle size :	max 5% (> 500 µm) - max 2% (< 100µm).

**Important health, safety and environmental information:**

pH of the substance or preparation:	not relevant.
The pH is impossible to measure or its value is not relevant.	
Flash point interval:	not relevant.
Vapour pressure:	not relevant.
Density:	< 1
Water solubility:	Soluble. < 0.1 g/l (20°C - 100%)
Partition coefficient: n-octanol/water:	Log Pow : 10.24 (100%)

Solubility in organic solvents:	Insoluble.
<b>Other information:</b>	
Melting point/melting range :	83 - 87°C (100%).
Density :	~ 0.68 g/cm3 (loose packed) - ~ 0.75 g/cm3 (packed).

## 10 - STABILITY AND REACTIVITY

The preparation is stable at the handling and storage conditions recommended per § 7 of the safety data sheet,

### Conditions to avoid:

Heat, flames, sparks, lights and air.

### Materials to avoid:

Keep away from strong oxidising agents, acid chlorides and acid anhydrides to prevent the occurrence of exothermic reactions.

### Hazardous decomposition products:

Decomposition by heat can cause the release of irritant gases and fumes.

## 11 - TOXICOLOGICAL INFORMATION

No data is available regarding the preparation itself.

### In the event of exposure by inhalation:

LC50 (rat - 4h) = 130 - 380 mg/m3 (100%)

### In the event of swallowing:

LD50 (oral - rat) = 42 mg/kg (100%)

## 12 - ECOLOGICAL INFORMATION

No ecological data on the product itself is available.

The product must not be allowed to run into drains or waterways.

### Persistence and degradability:

Low biodegradability.

Biodegradation: < 7% (28 days).

### Other adverse effects:

Germany: WGK 1 (VwVwS vom 27/07/2005, KBws)

## 13 - DISPOSAL CONSIDERATIONS

Do not pour into drains or waterways.

### Waste:

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

### Soiled packaging:

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

## 14 - TRANSPORT INFORMATION

Exempt from transport classification and labelling.

## 15 - REGULATORY INFORMATION

This preparation was classified in compliance with the directive known as <All preparations> 1999/45/EC and its adaptations

In addition directive 2004/73/EC with the 29° adaptation of directive 67/548/EEC (Hazardous substances) has been taken into account.

This product is not classified as flammable.

### Preparation classification:



Toxic

**Contains:**

200-673-2	COLECALCIFEROL
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**Particular hazards associated with the preparation and safety recommendations:**

R 23	Toxic by inhalation.
R 48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed.
S 45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S 22	Do not breathe dust.
S 38	In case of insufficient ventilation, wear suitable respiratory equipment.
S 60	This material and its container must be disposed of as hazardous waste.
S 9	Keep container in a well-ventilated place.
S 36/37	Wear suitable protective clothing and gloves.

**Particular provisions:**

Germany: WGK 1 (VwVwS vom 27/07/2005, KBws)

Minimum concentration: 500,000 UI/g.

**16 - OTHER INFORMATION**

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information given on this safety data sheet must be regarded as a description of the safety requirements relating to our product and not a guarantee of its properties

Registration number(s):

Registered in the EINECS inventory.

Registered in the TSCA inventory.

Registered in the Canadian inventory (CEPA DSL).

**Full text of risk phrases appearing in section 3:**

R 24/25	Toxic in contact with skin and if swallowed.
R 26	Very toxic by inhalation.
R 48/25	Toxic: danger of serious damage to health by prolonged exposure if swallowed.