

SDS - Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)

1 Identification of the substance/mixture and of the company/undertaking

Trade name SANBIO® SANA

Chemical product name

Synonyms

Maximum dosage

Remark

Clay mineral Bentonite-Montmorillonite-Illite

Binders, anti-caking agents and coagulants 1m558, EC1831/2008

20.000 mg/kg complete feed

The simultaneous oral use with macrolides shall be avoided. The total amount of bentonite must not exceed the permitted maximum level in complete feeding stuff of 20 000 mg/kg of complete feeding

stuff.

For poultry: The simultaneous use with robenidine shall be avoided. The simultaneous use with coccidiostats other than robenidine is contraindicated with level of bentonite above 5 000 mg/kg of

complete feed.

Supplier SANBOS GmbH

Geraer Straße 14

D-06712 Gutenborn, OT Drossdorf

Germany

Tel. +49-3441-539873 Fax +49-3441-539874

Emergency Telephone no

e-mail-address of person

responsible for this MSDS

Recommended use

+49-(0)173-6990195

jm@sanbos.com

Technological additive for feeding stuffs for all animal species

2 Composition / Data on components

Chemical characterization Bentonite

CAS No. 1302-78-9

Identification No.

EINECS No. 215-108-5

3 Hazards identification

Hazard description H335 May cause respiratory irritation.

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H319 Causes serious eye irritation.

P261 Avoid breathing dust.

P280 Dust protective glasses worn.

P304 + P341 IF INHALED: Remove victim to fresh air and keep at rest

in a position comfortable for breathing.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if possible. Continue

rinsing.

P337 + P313 If eye irritation persists: Get medical advice / attention.

Slip hazard - If the product is spilled and mixed with water the

ground might get slippery.

Information pertaining to particular dangers for man

and

environment:

No hazards to be particularly mentioned. According to current European laws and regulations the product is not dangerous or toxic material (based on the available data).

4 First aid measures

General information No special measures required.

After inhalation Remove victim to fresh air and keep at rest in a position

comfortable for breathing; consult doctor in case of complaints

After skin contact Wash with water and soap

After eye contact Rinse opened eye for several minutes under running water. If

symptoms persist consult doctor.

After swallowing Rinse mouth with water. If symptoms occur or after swallowing of

larger quantities consult a doctor.

Information for doctor Irritation of eyes and mucous membrane.

5 Fire fighting measures

Suitable extinguishing agents
The product is not combustible and does not support the

combustion.

Use fire fighting measures that suit the environment.

Special hazards caused by the

material, its products of combustion or resulting gases

If mixed with water, the product gains lubricant character. If the product is spilled and mixed with water the ground might get

slippery and hence causing slip hazard.

Protective equipment Wear self-contained respiratory protective device.

6 Accidental release measures

Person-related safety Ensure adequate ventilation. Avoid formation of dust. Use precautions respiratory

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protective device against the effects of fumes/dust/aerosol. Wear

protective clothing.

Measures for environmental

protection

No special measures required.

Measures for cleaning and

collecting

Pick up mechanically. Avoid dust formation. Be aware of the slip hazard when product is wet. Dispose contaminated material as

waste according item 13.

7 Handling and storage

Handling

Information for handling Ensure good ventilation/exhaustion at the workplace. Prevent

formation of dust. Avoid contact with eyes and skin. Avoid

inhalation of dust.

Information about protection against explosions and fires

No special measures required.

Storage

Requirements to be met by storerooms and receptacles Not required.

Not required.

Information about storage on

common storage facility:

Further information about

Storage conditions:

Store in cool and dry conditions. Keep in closed containers.

Storage class Storage class 13 - Non combustible solid.

8 Exposure controls and personal protection

Additional information about

design of technical systems

No further data; see item 7

Components with limit values

that require monitoring at the

workplace

Maximum dust formation (particulate matter <10µm):

24-hour limit: 50µg/m³/24h

(not to be exceeded more than 7 times a calendar year)

Annual limit: 20µg/m³/year

Additional occupational exposure limit values for possible hazards during

processing:

Observe general threshold limit for dust.

Additional information The lists that were valid during the creation were used as basis.

Personal protective

equipment

General protective and

The usual precautionary measures should be adhered to when handling chemicals. Wash hands before breaks and at the end of work. Do not inhale dust/smoke/mist. Avoid close or long term

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hygienic measures: contact with the skin. Avoid contact with the eyes. Ensure that

washing facilities are available at the work place. Do not eat or drink while working. Vacuum clean contaminated clothing. Do not blow or $\frac{1}{2}$

brush off contamination. Use skin protection cream for skin

protection.

Breathing equipment Use suitable respiratory protective devices in case of insufficient

ventilation. Short term filter device. Filter class: FFP2 (EN 149).

Protection of hands Protection gloves or protective skin cream. To avoid skin problems

reduce the wearing of gloves to the required minimum. Prior to contact with the water insoluble substance/product/preparation

apply

water soluble skin-protecting agent (fat-free film former or O/W-emulsion). After use of gloves apply skin-cleaning agents and skin

cosmetics.

Material of gloves Adjust selection of glove material to the other substances used.

Penetration time of glove material

Eye protection

The exact break-through time has to be found out by the manufacturer of the protective gloves and has to be observed.

At formation of dust or insufficient ventilation: Tightly sealed

goggles.

Body protection Protective work clothing.

9 Physical and chemical properties

General information

Form very fine, homogeneous, dry powder

(Particle size: 97% ≤ 5 µm)

Colour light grey
Odour odourless

Change in conditions

Melting point/range: Boiling point/range Flash point -

Flammability Product is not flammable.

Ignition temperature -

Decomposition temperature -

Bulk density at 20°C 0.2 g/cm³

Danger of explosion Product does not present an explosion hazard.

Solubility in / Miscibility with Insoluble in water and oil,

Water at 20°C: forms stable suspension in both media

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PH-value at 20°C 8.4 (at 2% concentration)

10 Stability and reactivity

Reactivity SANA is hygroscopic. If suspended in water it will swell.

If suspended in water the substance is capable of cation exchange.

Chemical stability Chemically inert material under normal storing and handling

conditions

Conditions to avoid Unless used in production process, humidity and stagnant moisture

are to be avoided to prevent SANA to be contaminated with

airborne

germs. If mixed with or suspended in water, SANA might catalyze

microbial growth.

11 Toxicological information

"The REACH (Registration, Evaluation, Authorisation and restriction of Chemicals) Regulation (EC)1907/2006 states that "minerals which occur in nature, if they are not chemically modified" are explicitly exempted from registration and evaluation (Article 2 § 7(b) and Annex V point 7) because such a registration is deemed inappropriate or unnecessary for these substances and their exemption from these requirements does not prejudice the objectives of this Regulation.

Consequently, crystalline silica - quartz or cristobalite and related products - which do not result from a chemical modification and are manufactured or imported and placed on the market in Europe fall under this exemption and were not registered under REACH."

(Source: http://www.crystallinesilica.eu/classification-of-rc.html)

12 Ecological information

Information about elimination (persistence, degradability)

Not biodegradable. Bentonite is degraded at a geological scale by

weathering and geological processes.

Eco-toxicological effects

(Aquatic toxicity)

Not applicable

Remark Bentonite is ubiquitous in the environment occurring as natural soil

component. Adverse effects on the environment are not to be expected. Bentonite has sealing abilities if its concentration rises above a certain percentage (dependent on soil composition).

Thus, it is able to reduce the permeability of soil for water and other

fluids).

General notes: Not hazardous for water according to VwVwS (German regulation)

appendix 1 dated 1999-05-17.

13 Disposal considerations

Product recommendations Disposal according to instructions of local authorities.

Unclean packaging Disposal according to instructions of local authorities.

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14 Transport information

Land transport (cross-border) No hazardous good according to the regulation

ADR/RID class: -

Maritime transport No hazardous good according to the regulation

IMDG class: -

Air transport No hazardous good according to the regulation

ICAO-TI/IATA-DGR class: -

15 Regulations

Markings according to EC

guidelines

Observe the general safety regulations when handling chemicals. The substance (product) is not subject to classification according to

EC-directives and other sources of literature known to us.

National regulations Water

hazard class

Not hazardous for water.

16 Other information

The 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 specified in the text.

Training advice: Handling of this substance or preparation is restricted to skilled personal only.

SANBOS GmbH

Geraer Str. 14 D-06712 Gutenborn OT Drossdorf Germany

Phone: +49.3441.539873 Fax: +49.3441.539874 www.sanbos.com Joerg MEYER, Dipl.-Ing. (Univ.)

General Manager SANBOS GmbH Germany