

Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)

Labshop

Chemicals, Restoration and Art Supplies

O58940 Claytone®APA

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Revised edition: 01.12.2020

Version: 2.0

Printed: 19.03.2021

1. Identification of the Substance/Mixture and of the Company/Undertaking

1.1. Product Identifier

Product Name: Claytone®APA

Article No.: O58940

1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

Identified uses:

Rheological additive

Uses advised against:

1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

Company: Interlabshop BV

Address: Lage Brink 23, 7317BD Apeldoorn The Netherlands

Tel./Fax.: +31(0)55-5215016

Internet: www.labshop.nl

EMail: labshop@labshop.nl

Importer:

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1.4. Emergency No.

Emergency No.: 112 (24 hours a day)

1.4.2 Poison Center:

2. Hazards Identification

2.1. Classification of the Substance or Mixture

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

This product does not require classification and labelling as hazardous according to CLP/GHS.

Possible Environmental Effects:

2.2. Label Elements

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

This product does not require classification and labelling as hazardous according to CLP/GHS.

Hazard designation:

Not applicable.

Signal word:

Hazard designation:

Safety designation:

Hazardous components for labelling:

2.3. Other Hazards

Handling of this product (crushing, grinding) can cause airborne dust which may contain quartz.

Frequent or repeated inhalation of airborne silicate can cause

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*silicosis. The symptoms of silicosis are coughing and breathlessness.
The occupational exposure of respirable dust has to be observed and controlled.
The product should be handled with methods and techniques which reduce or avoid the formation of dust.*

3. Composition/Information on Ingredients**3.1. Substance****3.2. Mixture**

Chemical Characterization: Organophile layered silicate, bentonite

Information on Components / Hazardous Ingredients:

Additional information:

This product contains less than 1% of respirable silica, and is therefore not classified as harmful.

4. First Aid Measures**4.1. Description of the First Aid Measures**

General information:

*Remove contaminated clothing and shoes, and wash thoroughly before reusing.
Seek medical attention in case of complaints.*

After inhalation:

Supply fresh air and seek medical advice in case of complaints.

After skin contact:

Wash off immediately with soap and plenty of water.

After eye contact:

*Remove contact lens.
Rinse open eyes with plenty of water for at least 15 minutes.*

After ingestion:

*Rinse mouth with plenty of water.
Never give anything by mouth to an unconscious person.*

4.2. Most important Symptoms and Effects, both Acute and Delayed

Symptoms:

No further information available.

Effects:

No further information available.

4.3. Indication of any Immediate Medical Attention and special Treatment needed

Treatment:

Treat symptomatically.

5. Fire-Fighting Measures**5.1. Extinguishing Media**

Suitable extinguishing media:

Water mist, extinguishing powder, foam, carbon dioxide.

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Unsuitable extinguishing media:

Water with full jet.

5. 2. Special Hazards arising from the Substance or Mixture

Special hazards:

In case of fire: formation of carbon oxides, nitrogen oxides.

5. 3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device and full protective gear.

Further information:

6. Accidental Release Measures

6. 1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Avoid formation of dust, wear protective clothing. Keep spectators away.

Avoid contact with skin and eyes. Do not ingest or inhale.

Together with water product causes slippery surfaces.

6. 2. Environmental Precautions

Environmental precautions:

Prevent contamination of soils, drains and surface water.

6. 3. Methods and Material for Containment and Cleaning Up

Methods and material:

Take up mechanically and collect in suitable containers for disposal.

Avoid dust formation.

6. 4. Reference to other Sections

Dispose of contaminated material according to Section 13.

7. Handling and Storage

7. 1. Precautions for Safe Handling

Instructions on safe handling:

Avoid formation of dust. Do not inhale dust.

Provide adequate ventilation.

Clean surfaces regularly to ensure that no dust accumulates on the surfaces.

Hygienic measures:

Avoid contact with eyes and skin.

Do not eat or drink during work. Do not smoke.

Wash hands before breaks and after work.

Remove contaminated clothing immediately and wash before reusing.

7. 2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in tightly sealed containers in a cool and well ventilated

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location.

Protect against humidity and water.

Requirements for storage areas and containers:

Close open containers with care and store in an upright position to avoid spilling.

Information on fire and explosion protection:

Avoid dust formation.

Keep away from sources of ignition - do not smoke. Take measures to prevent electrostatic discharge.

Use explosion-proof electrical/ventilating/lighting equipment.

Dust explosion class 1 (Kst-value > 0 - 200 bar m/s).

Storage class:

10-13 (TRSG 510)

Further Information:

Do not store together with: acids, bases and oxidizing agents.

7. 3. Specific End Use(s)

Further information:

8. Exposure Controls/Personal Protection

8. 1. Parameters to be Controlled

The total amount of dust (total and inhalable) and inhalable crystalline silicium dioxide should be monitored and controlled.

Parameters to be controlled (DE):

TRGS 900

TLV: 1.25 mg/m³ air-borne fraction (general dust limit)

TLV: 10 mg/m³ inhalable fraction (general dust limit)

Peak limit Category: 2 (II)

Parameters to be controlled:

Derived No-Effect Level (DNEL):

Predicted No-Effect Concentration (PNEC):

Additional Information:

8. 2. Exposure Controls

Technical protective measures:

Provide adequate ventilation/exhaust system.

Personal Protection

General protective measures:

Wear adequate protective clothing.

Wash contaminated clothes before reuse.

Do not inhale dust. Do not eat, drink or smoke while working.

Wash hands before breaks and at the end of work.

Avoid contact with eyes and skin.

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Respiratory protection:

Respiratory equipment required in case of insufficient ventilation, filter type P3.

Hand protection:

Protective gloves (EN 374)

Protective glove material:

Please note the manufacturers' detailed statements, especially about the minimum thickness and the minimum breakthrough time.

Eye protection:

Safety glasses with protective shields (EN 166).

Body protection:

Protective clothing.

Environmental precautions:

No special measures required.

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form: powder

Color: whitish

Odor: odorless

Odor threshold:
No information available.

pH-Value:
not available

Melting temperature:
not available

Boiling temperature:
not available

Flash point:
not available

Evaporation rate:
No information available.

Flammability (solid, gas):
not applicable

Upper explosion limit:
no information available

Lower explosion limit: 90 - 100 g/cm³

Vapor pressure:
not applicable

Vapor density:
No information available.

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Density:	1.7 g/cm ³ (20°C)
Solubility in water:	partly soluble
Coefficient of variation (n-Octanol/Water):	no information available
Auto-ignition temperature:	190°C (374°F)
Decomposition temperature:	No data available.
Viscosity, dynamic:	not available
Explosive properties:	not applicable
Oxidizing properties:	no information available
Bulk density:	not determined

9.2. Further Information

Solubility in solvents:	
Viscosity, kinematic:	
Burning class:	
Solvent content:	
Solid content:	
Particle size:	
Other information:	Ignition temperature: 520°C

10. Stability and Reactivity

10.1. Reactivity	Stable if used according to specifications.
10.2. Chemical Stability	Stable if used according to specifications.
10.3. Possibility of Hazardous Reactions	Risk of dust explosion.
10.4. Conditions to Avoid	Protect from air humidity and water. Avoid formation of dust. Avoid heat, open fire and other ignition sources. Avoid humidity.
Thermal decomposition:	

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10.5. Incompatible Materials

Oxidizing agents, acids, bases.

10.6. Hazardous Decomposition Products

None if stored and handled according to specifications.

10.7. Further Information

11. Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity

No information available.

LD50, oral:

LD50, dermal:

LC50, inhalation:

Primary effects

Irritant effect on skin:

No information available

Irritant effect on eyes:

Product dust may cause irritation.

Inhalation:

Dust can cause irritation of the respiratory system.

Ingestion:

No information available

Sensitization:

No sensitizing effects known.

Mutagenicity:

not determined

Reproductive toxicity:

No relevant data found.

Carcinogenicity:

No relevant data found.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

No relevant data found.

Additional toxicological information:

Frequent or repeated inhalation of airborne quartz powder (crystalline silicate) can cause silicosis.

The IARC (International Agency for Research on Cancer) notes that crystalline SiO₂ which is inhaled at the working place can cause pulmonary cancer.

However, they further note that it does not apply for all working places and not all types of crystalline SiO₂ (IARC-Monographs,

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1997, Vol. 68).

In June 2003 the SCOEL (EU Scientific Committee on Occupational Exposure Limits) came to the conclusion that silicosis is the major effect of inhaling respirable crystalline silicon dioxide.

Persons who already are suffering from silicosis have a higher cancer risk. The symptoms of silicosis are coughing and breathlessness. The dust level should be measured and controlled continuously.

It can therefore be concluded that the risk of cancer can be reduced by avoiding silicosis (SCOEL SUM Doc 1994-final, June 2003).

According to the current information available the protection of workers can be guaranteed by observing the existing regulatory maximum threshold limit value.

The exposure to respirable dust and crystalline silica should be measured and controlled continuously.

12. Ecological Information

12. 1. Aquatic Toxicity

Fish toxicity:

No negative effects.

Daphnia toxicity:

No negative effects.

Bacteria toxicity:

No negative effects.

Algae toxicity:

No negative effects.

12. 2. Persistency and Degradability

No information available.

12. 3. Bioaccumulation

No information available.

12. 4. Mobility

No information available.

12. 5. Results of PBT- und vPvP Assessment

This substance is not classified as PBT (persistent, bioaccumulative, toxic), nor as vPvB (very persistent, very bioaccumulative).

12. 6. Other Adverse Effects

Water hazard class:

1, slightly hazardous

Behaviour in sewage systems:

Further ecological effects:

AOX Value:

13. Disposal Considerations

13. 1. Waste Treatment Methods

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Product:

If product cannot be reused or recycled, it has to be disposed of according to current local regulations.

European Waste Code (EWC):

Uncleaned packaging:

Uncontaminated packaging may be recycled. Completely empty packaging can be disposed of with the regular waste.

Waste Code No.:

14. Transport Information

14.1. UN Number

ADR, IMDG, IATA

14.2. UN Proper Shipping Name

ADR/RID:

No hazardous goods according to ADR (land transportation).

IMDG/IATA:

No hazardous goods according to IMDG.

14.3. Transport Hazard Classes

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel restriction code:

IMDG Class (sea):

Hazard no.:

EmS No.:

IATA Class:

Hazard no.:

14.4. Packaging Group

ADR/RID:

not applicable

IMDG:

IATA:

14.5. Environmental Hazards

Not classified as environmentally hazardous.

14.6. Special Precautions for User

Not classified as a dangerous good under transport regulations.

14.7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

not applicable

14.8. Further Information

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Do not store together with foodstuffs.

15. Regulatory Information

15.1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

1, slightly hazardous for water (according to the German Regulation AwSV)

Local regulations on chemical accidents:

Employment restrictions:

Restriction and prohibition of application:

EC. REACH, Section XVII, Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles: not applicable

Technical instructions on air quality:

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

15.3. Further Information

EC. REACH, Annex XIV, Candidate List of Substances of very High Concern (SVHC): not regulated / not applicable

16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.