

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

KAOLIN LIGHT BP (CHINA CLAY)

Version 4.0

Print Date 2021/04/12

Revision date / valid from 2021/04/12

MSDS code: MAAC017

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

1.1. Product identifier

Trade name : KAOLIN LIGHT BP (CHINA CLAY)
Substance name : Kaolin
CAS-No. : 1332-58-7
EC-No. : 310-194-1
REACH Status : Substance is exempted from registration obligations according to Article 2 (7) (b) (Annex V.7) of the Regulation (EC) No 1907/2006

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the Substance/Mixture : A functional additive
Uses advised against : At this moment we have not identified any uses advised against

1.3. Details of the supplier of the safety data sheet

Company : Brenntag UK Limited
Alpha House, Lawnswood Business Park
GB LS16 6QY Leeds
Telephone : +44 (0) 113 3879 200
Telefax : +44 (0) 113 3879 280
E-mail address : msds@brenntag.co.uk

1.4. Emergency telephone number

Emergency telephone number : Emergency only telephone number (open 24 hours):
+44 (0) 1865 407333 (N.C.E.C. Culham)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not classified as dangerous according to Regulation (EC) No. 1272/2008.

Most important adverse effects

Human Health : See section 11 for toxicological information.

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Physical and chemical hazards : See section 9/10 for physicochemical information.
 Potential environmental effects : See section 12 for environmental information.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008

The product is not labeled as dangerous according to Regulation (EC) No. 1272/2008.

2.3. Other hazards

For Results of PBT and vPvB assessment see section 12.5.

SECTION 3: Composition/information on ingredients

3.1. Substances

Remarks : No dangerous ingredients according to Regulation (EC) No. 1907/2006

Non-hazardous component

| Chemical name | Identification Number | Amount [%] |
|----------------------------|-----------------------|------------|
| Kaolin | CAS-No. : 1332-58-7 | < 100 |
| | EC-No. 310-194-1 | |
| Quartz (SiO ₂) | CAS-No. : 14808-60-7 | < 1 |
| | EC-No. 238-878-4 | |

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice : No special precautions required.

If inhaled : Remove to fresh air. If symptoms persist, call a physician. Keep patient warm and at rest. Remove victim to fresh air and keep at rest in a position comfortable for breathing.

In case of skin contact : Wash off with soap and water. If skin irritation persists, call a physician.

In case of eye contact : Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

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If swallowed : Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms : See Section 11 for more detailed information on health effects and symptoms.

Effects : Health injuries are not known or expected under normal use. See Section 11 for more detailed information on health effects and symptoms.

4.3. Indication of any immediate medical attention and special treatment needed

Treatment : Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Not combustible.

Unsuitable extinguishing media : High volume water jet

5.2. Special hazards arising from the substance or mixture

Specific hazards during firefighting : Not combustible.

Hazardous combustion products : Carbon monoxide, Carbon dioxide (CO₂)

5.3. Advice for firefighters

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus. Choose protective equipment according to size of fire.

Further advice : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment. Ensure adequate ventilation. Avoid contact with skin and eyes. Avoid dust formation.

6.2. Environmental precautions

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Environmental precautions : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

6.3. Methods and materials for containment and cleaning up

Methods and materials for containment and cleaning up : Keep in suitable, closed containers for disposal. Avoid dry sweeping. Knock down dust with water spray jet.

: Use mechanical handling equipment.

Further information : Treat recovered material as described in the section "Disposal considerations".

6.4. Reference to other sections

See Section 1 for emergency contact information.

See Section 8 for information on personal protective equipment.

See Section 13 for waste treatment information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling : Keep container tightly closed. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice.

Hygiene measures : Keep away from food, drink and animal feedingstuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday. Take off all contaminated clothing immediately.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Store in original container.

Advice on protection against fire and explosion : Normal measures for preventive fire protection.

Further information on storage conditions : Keep tightly closed in a dry and cool place.

Advice on common storage : Keep away from food, drink and animal feedingstuffs.

7.3. Specific end use(s)

Specific use(s) : No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

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| | | |
|-------------------|---------------|--------------------------|
| Component: | Kaolin | CAS-No. 1332-58-7 |
|-------------------|---------------|--------------------------|

Other Occupational Exposure Limit Values

UK. EH40 Workplace Exposure Limits (WELs), as amended, Time Weighted Average (TWA);, Respirable dust.
2 mg/m³

ELV (IE), Time Weighted Average (TWA);, Respirable dust.
2 mg/m³

8.2. Exposure controls

Appropriate engineering controls

Refer to protective measures listed in sections 7 and 8.

Personal protective equipment

Respiratory protection

Advice : Required, if exposure limit is exceeded (e.g. OEL).
Respiratory protection complying with EN 141.

Hand protection

Advice : Protective gloves complying with EN 374.
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.
Protective gloves should be replaced at first signs of wear.

Material : PVC

Material : Latex or rubber

Eye protection

Advice : Safety goggles
Equipment should conform to EN 166

Skin and body protection

Advice : Protective work clothing

Environmental exposure controls

General advice : Do not flush into surface water or sanitary sewer system.
Avoid subsoil penetration.

KAOLIN LIGHT BP (CHINA CLAY)**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

| | | |
|--|---|---------------------|
| Form | : | powder |
| Colour | : | white off-white |
| Odour | : | Almost odourless |
| Odour Threshold | : | no data available |
| pH | : | no data available |
| Freezing point | : | no data available |
| Boiling point | : | no data available |
| Flash point | : | no data available |
| Evaporation rate | : | no data available |
| Flammability (solid, gas) | : | no data available |
| Upper explosion limit | : | no data available |
| Lower explosion limit | : | no data available |
| Vapour pressure | : | no data available |
| Relative vapour density | : | no data available |
| Relative density | : | 2.6 - 2.7 |
| Water solubility | : | < 0.1 g/l insoluble |
| Partition coefficient: n-octanol/water | : | no data available |
| Auto-ignition temperature | : | no data available |
| Thermal decomposition | : | no data available |
| Viscosity, dynamic | : | no data available |
| Explosivity | : | no data available |
| Oxidizing properties | : | no data available |

9.2. Other information

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No further information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Advice : No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Advice : The product is stable if stored and handled as prescribed/indicated.

10.3. Possibility of hazardous reactions

Hazardous reactions : Not applicable

10.4. Conditions to avoid

Conditions to avoid : None known.

10.5. Incompatible materials

Materials to avoid : No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

Hazardous decomposition products : Stable under recommended storage conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | | |
|-------------------|---------------|--------------------------|
| Component: | Kaolin | CAS-No. 1332-58-7 |
|-------------------|---------------|--------------------------|

Acute toxicity

Oral

no data available

Inhalation

no data available

Dermal

no data available

Irritation

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Skin

Result : no data available

Eyes

Result : no data available

Sensitisation

Result : no data available

CMR effects
CMR Properties

Carcinogenicity : no data available

Mutagenicity : no data available

Reproductive toxicity : no data available

Specific Target Organ Toxicity
Single exposure

Remarks : The substance or mixture is not classified as specific target organ toxicant, single exposure.

Repeated exposure

Remarks : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Other toxic properties
Aspiration hazard

Not applicable,

| | | |
|-------------------|---------------------------------|---------------------------|
| Component: | Quartz (SiO₂) | CAS-No. 14808-60-7 |
|-------------------|---------------------------------|---------------------------|

Irritation
Skin

Result : No skin irritation

Eyes

Result : No eye irritation

KAOLIN LIGHT BP (CHINA CLAY)**CMR effects****Carcinogenicity**

Can cause lung cancer in humans. (IARC, 1997)

SECTION 12: Ecological information**12.1. Toxicity**

| | | |
|-------------------|---------------|--------------------------|
| Component: | Kaolin | CAS-No. 1332-58-7 |
|-------------------|---------------|--------------------------|

Acute toxicity**Fish**

: no data available

Toxicity to daphnia and other aquatic invertebrates

: no data available

algae

: no data available

| | | |
|-------------------|---------------------------------|---------------------------|
| Component: | Quartz (SiO₂) | CAS-No. 14808-60-7 |
|-------------------|---------------------------------|---------------------------|

Acute toxicity**Fish**

LC50 : > 100 mg/l (Fish; 96 h)

12.2. Persistence and degradability

| | | |
|-------------------|---------------|--------------------------|
| Component: | Kaolin | CAS-No. 1332-58-7 |
|-------------------|---------------|--------------------------|

Persistence and degradability**Persistence**

Result : no data available

Biodegradability

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Result : The methods for determining the biological degradability are not applicable to inorganic substances.

| | | |
|-------------------|---------------------------------|---------------------------|
| Component: | Quartz (SiO₂) | CAS-No. 14808-60-7 |
|-------------------|---------------------------------|---------------------------|

| |
|--------------------------------------|
| Persistence and degradability |
|--------------------------------------|

| |
|-------------------------|
| Biodegradability |
|-------------------------|

Result : The methods for determining the biological degradability are not applicable to inorganic substances.

12.3. Bioaccumulative potential

| | | |
|-------------------|---------------|--------------------------|
| Component: | Kaolin | CAS-No. 1332-58-7 |
|-------------------|---------------|--------------------------|

| |
|------------------------|
| Bioaccumulation |
|------------------------|

Result : Not relevant

| | | |
|-------------------|---------------------------------|---------------------------|
| Component: | Quartz (SiO₂) | CAS-No. 14808-60-7 |
|-------------------|---------------------------------|---------------------------|

| |
|------------------------|
| Bioaccumulation |
|------------------------|

Result : Bioaccumulation is not expected.

12.4. Mobility in soil

| | | |
|-------------------|---------------|--------------------------|
| Component: | Kaolin | CAS-No. 1332-58-7 |
|-------------------|---------------|--------------------------|

| |
|-----------------|
| Mobility |
|-----------------|

Soil : Mobility, negligible

| | | |
|-------------------|---------------------------------|---------------------------|
| Component: | Quartz (SiO₂) | CAS-No. 14808-60-7 |
|-------------------|---------------------------------|---------------------------|

| |
|-----------------|
| Mobility |
|-----------------|

: The product is insoluble and sinks in water.

12.5. Results of PBT and vPvB assessment

| |
|-----------------------------|
| Data for the product |
|-----------------------------|

| |
|---|
| Results of PBT and vPvB assessment |
|---|

Result : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

| | | |
|-------------------|---------------|--------------------------|
| Component: | Kaolin | CAS-No. 1332-58-7 |
|-------------------|---------------|--------------------------|

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Results of PBT and vPvB assessment

Result : Not applicable

Component: Quartz (SiO₂) **CAS-No.** 14808-60-7

Results of PBT and vPvB assessment

Result : This substance is not considered to be persistent, bioaccumulating nor toxic (PBT)., This substance is not considered to be very persistent and very bioaccumulating (vPvB).

12.6. Other adverse effects

Data for the product

Additional ecological information

Result : Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

Component: Kaolin **CAS-No.** 1332-58-7

Additional ecological information

Result : no data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Product : Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains. Contact waste disposal services.
- Contaminated packaging : Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. If recycling is not practicable, dispose of in compliance with local regulations.
- European Waste Catalogue Number : No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

SECTION 14: Transport information

Not dangerous goods for ADR, RID, IMDG and IATA.

14.1. UN number

|| Not applicable.

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14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packaging group

Not applicable.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

IMDG : Not applicable.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

| Component: | Kaolin | CAS-No. 1332-58-7 |
|------------|--------|-------------------|
|------------|--------|-------------------|

EU. Cosmetics Directive : ; Colouring agent allowed in all cosmetic product (see the regulation for applicable exceptions or provisions).; Listed Part 1

EU. Directive : ; The substance/mixture does not fall under this legislation. 2012/18/EU (SEVESO III) Annex I

| Component: | Quartz (SiO ₂) | CAS-No. 14808-60-7 |
|------------|----------------------------|--------------------|
|------------|----------------------------|--------------------|

EU. Directive : ; The substance/mixture does not fall under this legislation. 2012/18/EU (SEVESO III) Annex I

15.2. Chemical safety assessment

no data available

KAOLIN LIGHT BP (CHINA CLAY)**SECTION 16: Other information****Abbreviations and Acronyms**

| | |
|----------------------------|---|
| BCF | bioconcentration factor |
| BOD | biochemical oxygen demand |
| CAS | Chemical Abstracts Service |
| CLP | Classification, Labelling and Packaging |
| CMR | carcinogenic, mutagenic or toxic to reproduction |
| COD | chemical oxygen demand |
| DNEL | derived no-effect level |
| EINECS | European Inventory of Existing Commercial Chemical Substances |
| ELINCS | European List of Notified Chemical Substances |
| GHS | Globally Harmonized System of Classification and Labelling of Chemicals |
| LC50 | median lethal concentration |
| LOAEC | lowest observed adverse effect concentration |
| LOAEL | lowest observed adverse effect level |
| LOEL | lowest observed effect level |
| NLP | no-longer polymer |
| NOAEC | no observed adverse effect concentration |
| NOAEL | no observed adverse effect level |
| NOEC | no observed effect concentration |
| NOEL | no observed effect level |
| OECD | Organisation for Economic Cooperation and Development |
| OEL | occupational exposure limit |
| PBT | persistent, bioaccumulative and toxic |
| REACH Auth. No.: | REACH Authorisation Number |
| REACH AuthAppC. No. | REACH Authorisation Application Consultation Number |
| PNEC | predicted no-effect concentration |
| STOT | specific target organ toxicity |
| SVHC | substance of very high concern |
| UVCB | substance of unknown or variable composition, complex reaction products or biological materials |
| vPvB | very persistent and very bioaccumulative |

Further information

Key literature references and sources for data : Supplier information and data from the "Database of registered substances" of the European Chemicals Agency (ECHA) were used to create this safety data sheet.

Methods used for product classification : The classification for human health, physical and chemical hazards and environmental hazards were derived from a combination of calculation methods and if available test data.

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Hints for trainings : The workers have to be trained regularly on the safe handling of the products based on the information provided in the Safety Data Sheet and the local conditions of the workplace. National regulations for the training of workers in the handling of hazardous materials must be adhered to.

Other information : The information provided in this Safety Data Sheet is correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship.

The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

|| Indicates updated section.