

SAFETY DATA SHEET

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

Revision date: 25 Feb 2025

Print date: 25 Mar 2025

Version: 3



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

1.1. Product identifier

Trade name/designation:

Baumit IonitColor

Article No.:

100023

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

Use of the substance/mixture:

Coatings and paints, fillers, putties, thinners

Relevant identified uses:

Sector of uses [SU]

SU 19: Building and construction work

Product Categories [PC]

PC 9a: Coatings and paints, thinners, paint removers

Process categories [PROC]

PROC 10: Roller application or brushing

PROC 11: Non industrial spraying

Environmental release categories [ERC]

ERC 11a: Widespread use of articles with low release (indoor)

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Baumit GmbH

Reckenberg 12

87541 Bad Hindelang

Germany

Telephone: +49 8324 921 0

E-mail: info@baumit.de

1.4. Emergency telephone number

+49 8324 921 0 (Only available during office hours.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].

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2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard statements: none

Supplemental Hazard information (EU)

EUH210 Safety data sheet available on request.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

Precautionary statements Prevention

P260 Do not breathe spray.

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/....

Precautionary statements Response

P302 + P352 IF ON SKIN: Wash with plenty of water/....

Precautionary statements Disposal

P501 Dispose of contents/container to Dispose of contents/container to an appropriate recycling or disposal facility..

2.3. Other hazards

No data available

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No. 1272/2008 [CLP]	Concentration
CAS No.: 31795-24-1 EC No.: 250-807-9	potassium methylsilanetriolate Eye Dam. 1 (H318), Skin Corr. 1A (H314)  Danger Specific concentration limit (SCL): Skin Corr. 1A; H314: C ≥ 2% Eye Dam. 1; H318: C ≥ 2% Acute Toxicity Estimate ATE (oral) 2,000 mg/kg	0 - < 1.13 Wt %

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In any first aid action: pay attention to self protection (e.g. respiratory protection, gloves); always inform doctor. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing immediately. If unconscious place in recovery position and seek medical advice. Do not leave affected person unattended. Remove contaminated, saturated clothing.

Following inhalation:

Provide fresh air.

In case of skin contact:

Take off greatly contaminated clothes. Clean with much water and soap. Do not wash with: solvents or thinners

After eye contact:

In case of contact with eyes flush immediately remove contact lenses, with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion:

Visit a Doctor. Rinse mouth. Let 1 glass of water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

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

No known symptoms to date.

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

No information available. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

Water spray, Dry extinguishing powder, Foam, Use extinguishing measures that suit the environment. Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media:

Full water jet

5.2. Special hazards arising from the substance or mixture

In burning produces irritant fumes. The product itself does not burn.

Hazardous combustion products:

Carbon dioxide (CO₂), Nitrogen oxides (NO_x), Carbon monoxide. In case of fire: Gases/vapours, toxic

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Avoid contact with skin and eyes. Special danger of slipping by leaking/spilling product. Use personal protection equipment. Avoid breathing dust/fume/gas/mist/vapours/spray. Remove persons to safety.

Protective equipment:

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Wear protective gloves/protective clothing/eye protection/face protection.

6.1.2. For emergency responders

Personal protection equipment:

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Inform respective authorities in case of seepage into waterways, soil or drains.

6.3. Methods and material for containment and cleaning up

For containment:

Take up mechanically, placing in appropriate containers for disposal. Suitable material for taking up: Kieselguhr, Sawdust, Sand, Universal binder Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

For cleaning up:

Wash with plenty of water. Retain contaminated washing water and dispose it.

6.4. Reference to other sections

Disposal: see section 13, Personal protection equipment: see section 8, Safe handling: see section 7

6.5. Additional information

Clear spills immediately. Use appropriate container to avoid environmental contamination.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

No special technical protective measures are necessary. Wear personal protection equipment (refer to section 8). When using do not eat, drink or smoke.

Fire prevent measures:

No special fire protection measures are necessary. No special measures are necessary.

Measures to prevent aerosol and dust generation:

Open windows to ensure natural ventilation.

Environmental precautions:

Provide for retaining containers, eg. floor pan without outflow.

Advices on general occupational hygiene

Remove contaminated, saturated clothing immediately. Wash hands before breaks and after work. Avoid contact with skin, eyes and clothes. When using do not eat, drink, smoke, sniff.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Close opened containers carefully and kept upright to prevent a leakage. Keep container tightly closed in a cool, well-ventilated place.

Packaging materials:

Keep only in original container.

Requirements for storage rooms and vessels:

Protect from frost, heat and sunlight.

Hints on storage assembly:

Keep away from: Oxidising agent, Strong alkali, Strong acid

Storage class (TRGS 510, Germany): 12 - Non-combustible liquids that cannot be assigned to any of the above storage classes

7.3. Specific end use(s)

Recommendation:

Observe technical data sheet.

Industrial sector specific solutions:

Water-based paints, solvent-free

Giscode:

BSW10

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ remark
DFG (DE) from 1 Jul 2024	titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	① 0.3 mg/m ³ ② 2.4 mg/m ³ ⑤ (alveolengängige Fraktion)
TRGS 900 (DE)	Kieselguhr, soda ash flux-calcined CAS No.: 68855-54-9 EC No.: 272-489-0	① 0.3 mg/m ³ ⑤ (alveolengängige Fraktion) DFG, Y, 1

8.1.2. biological limit values

No data available

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8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	10 mg/m ³	① DNEL worker ② Acute - inhalation, systemic effects

Substance name	PNEC Value	① PNEC type
titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	0.127 mg/L	① PNEC aquatic, freshwater
titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	1 mg/L	① PNEC aquatic, marine water
titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	1,000 mg/kg	① PNEC sediment, freshwater
titanium dioxide CAS No.: 13463-67-7 EC No.: 236-675-5	100 mg/kg	① PNEC sediment, marine water

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Technical measures to prevent exposure

8.2.2. Personal protection equipment



Eye/face protection:

Dust protection eye glasses Eye glasses with side protection DIN EN 166

Skin protection:

Tested protective gloves must be worn DIN EN 374. Suitable material: Butyl caoutchouc (butyl rubber), CR (polychloroprene, chloroprene rubber), NR (natural rubber, natural latex), rubber gloves.

Breakthrough time (maximum wearing time)= 480min. Thickness of the glove material: 0,11mm.

Breakthrough times and swelling properties of the material must be taken into consideration.

In the case of wanting to use the gloves again, clean them before taking off and air them well.

Wear cotton undermitten if possible. min

Respiratory protection:

Usually no personal respiratory protection necessary. In case of insufficient ventilation, wear suitable respiratory equipment. Take a particle filter P2 when spraying. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

8.2.3. Environmental exposure controls

Inform respective authorities in case of seepage into waterways, soil or drains.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: liquid

Form: liquid

Colour: white

Odour: not determined

flammability: No

Safety relevant basis data

Parameter	Value	① Method ② remark
pH	11.4	
Melting point	No data available	

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Parameter	Value	① Method ② remark
Freezing point	No data available	
Initial boiling point and boiling range	No data available	
Flash point	not applicable	
Evaporation rate	No data available	
Auto-ignition temperature	not applicable	
Upper/lower flammability or explosive limits	No data available	
Vapour pressure	No data available	
Vapour density	No data available	
Density	No data available	
Bulk density	not applicable	
Water solubility	No data available	
Dynamic viscosity	No data available	
Kinematic viscosity	No data available	

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No decomposition/reaction if stored intended and intended application. not relevant The product itself does not burn.

10.2. Chemical stability

No decomposition/reaction if stored intended and intended application.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Protect from frost, heat and sunlight.

10.5. Incompatible materials

Strong acid

10.6. Hazardous decomposition products

No known hazardous decomposition products. In case of fire: Gases/vapours, toxic

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

potassium methylsilanetriolate CAS No.: 31795-24-1 EC No.: 250-807-9

LD₅₀ oral: 2,000 mg/kg (Rat) Wacker

Acute oral toxicity:

Based on available data, the classification criteria are not met.

Acute dermal toxicity:

Based on available data, the classification criteria are not met.

Acute inhalation toxicity:

Based on available data, the classification criteria are not met.

Skin corrosion/irritation:

Based on available data, the classification criteria are not met.

Eye damage/irritation:

Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation:

Based on available data, the classification criteria are not met.

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Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

Carcinogenicity:

Based on available data, the classification criteria are not met.

Reproductive toxicity:

Based on available data, the classification criteria are not met.

STOT-single exposure:

Based on available data, the classification criteria are not met.

STOT-repeated exposure:

Based on available data, the classification criteria are not met.

Aspiration hazard:

Based on available data, the classification criteria are not met.

Additional information:

No data available

11.2. Information on other hazards

No data available

SECTION 12: Ecological information

12.1. Toxicity

potassium methylsilanetriolate CAS No.: 31795-24-1 EC No.: 250-807-9
EC₅₀ : 120 mg/L 3 d (Algae/water plant, <i>Pseudokirchneriella subcapitata</i>) OECD 201
LC₅₀ : >500 mg/L 4 d (fish, <i>Danio rerio</i> (previous name: <i>Brachydanio rerio</i>)) EU Method C.1 (Acute Toxicity for Fish)
EC₅₀ : >3.6 mg/L 3 d (Algae/water plant, <i>Pseudokirchneriella subcapitata</i> (previous names: <i>Raphidocelis subcapitata</i> , <i>Selenastrum capricornutum</i>)) OECD Guideline 201 (Alga, Growth Inhibition Test)
EC₅₀ : >500 mg/L 2 d (crustaceans, <i>Daphnia magna</i>) EU Method C.2 (Acute Toxicity for Daphnia)
NOEC : ≥3.6 mg/L 3 d (Algae/water plant, <i>Pseudokirchneriella subcapitata</i> (previous names: <i>Raphidocelis subcapitata</i> , <i>Selenastrum capricornutum</i>)) OECD Guideline 201 (Alga, Growth Inhibition Test)
NOEC : ≥500 mg/L 4 d (fish, <i>Danio rerio</i> (previous name: <i>Brachydanio rerio</i>)) EU Method C.1 (Acute Toxicity for Fish)
NOEC : ≥45 mg/L 21 d (crustaceans, <i>Daphnia magna</i>) OECD Guideline 211 (Daphnia magna Reproduction Test)

12.2. Persistence and degradability

potassium methylsilanetriolate CAS No.: 31795-24-1 EC No.: 250-807-9
Biodegradation : Yes, slowly

12.3. Bioaccumulative potential

potassium methylsilanetriolate CAS No.: 31795-24-1 EC No.: 250-807-9
Log KOC : 2.7

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

potassium methylsilanetriolate CAS No.: 31795-24-1 EC No.: 250-807-9
Results of PBT and vPvB assessment : —

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recycle according to official regulations.

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13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

08 01 12	waste paint and varnish other than those mentioned in 08 01 11
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Waste code packaging

15 01 02	Plastic packaging
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remark:

Completely emptied packagings can be recycled through collection systems.

Waste treatment options

Appropriate disposal / Product:

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package:

Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

14.7. Maritime transport in bulk according to IMO instruments

No information available.

SECTION 15: Regulatory information

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

15.1.1. EU legislation

No data available

15.1.2. National regulations

[DE] National regulations

Störfallverordnung

remark:

Not subject to StörfallVO.

Water hazard class (WGK)

WGK:

1 - slightly hazardous to water (WGK 1)

Source:

Classification according to VwVwS, Annex 4.

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15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

16.1. Indication of changes

No data available

16.2. Abbreviations and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
DIN	German Institute for Standardization / German Industrial Standard
DNEL	derived no-effect level
EC ₅₀	Effective Concentration 50%
EN	European Standard
ERC	Environmental Release Category
ES	Exposure scenario
EWC	European Waste Catalogue
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
LC ₅₀	Lethal (fatal) Concentration 50%
LD ₅₀	Lethal (fatal) Dose 50%
MAK	Maximum concentration in the workplace air (CH)
NFPA	National Fire Protection Association
NIOSH	National Institute for Occupational Safety & Health
NOEC	No Observed Effect Concentration
OECD	Organisation for Economic Cooperation and Development
OSHA	Occupational Safety & Health Administration
PBT	persistent and bioaccumulative and toxic
PC	Product category
PNEC	Predicted No Effect Concentration
PROC	Process Category
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
SCL	Specific concentration limit
SU	use category
TRGS	Technische Regeln für Gefahrstoffe
UN	United Nations

16.3. Key literature references and sources for data

Substance name	type	source of supply
potassium methylsilanetriolate CAS No.: 31795-24-1 EC No.: 250-807-9	LC ₅₀ ; EC ₅₀ ; NOEC	Source: European Chemicals Agency, http://echa.europa.eu/

16.4. Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].

16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.

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16.6. Training advice

No data available

16.7. Additional information

Notice the directions for use on the label.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.