SAFETY DATA SHEET

In accordance with OSHA 29 CFR 1910.1200

MUD IN A BAG(TM)
Revision Number 2.01

Revision date 14-Nov-2025
Supersedes date 23-Nov-2020

1. Identification

1.1. Product identifier

Product Name MUD IN A BAG(TM)

Other means of identification
Other information Not applicable

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

Recommended use Cement
Restrictions on use No information available

1.3. Details of the supplier of the safety data sheet

Responsible Party
Bostik Inc.
11320 W. Watertown Plank Road
Wauwatosa, Wisconsin 53226 USA
Phone: +1(800) 726-7845 (Domestic Toll Free)
Phone: +1 (414) 774-2250 (International)

E-mail For regulatory and SDS-related questions, please contact a Bostik representative at https://www.bostik.com/us/en_US/customer-support/

1.4. Emergency telephone number

Emergency Telephone CHEMTREC (Chemical Transportation Emergency Center)
Chemtrec: 1-800-424-9300 (US) , 1-703-527-3887 (Outside U.S.)
Rocky Mountain Poison Center: 1-866-767-5089

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 1
Skin sensitization	Category 1
Carcinogenicity	Category 1A
Specific target organ toxicity (repeated exposure)	Category 1

Hazards not otherwise classified (HNOC)
Not applicable

2.2. Label elements

EMERGENCY OVERVIEW

Danger

Hazard statements
Causes skin irritation

Causes serious eye damage
May cause an allergic skin reaction
May cause cancer
Causes damage to organs through prolonged or repeated exposure



Appearance Powder

Physical state Solid

Odor No information available

Precautionary Statements - Prevention
Wash face, hands and any exposed skin thoroughly after handling
Contaminated work clothing must not be allowed out of the workplace
Do not breathe dust/fume/gas/mist/vapors/spray
Do not eat, drink or smoke when using this product
Wear protective gloves/eye protection/face protection

Precautionary Statements - Response
Get medical advice/attention if you feel unwell
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a POISON CENTER or doctor
IF ON SKIN: Wash with plenty of water and soap
Take off contaminated clothing and wash it before reuse
If skin irritation or rash occurs: Get medical advice/attention

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

2.3. Other Information

When cement reacts with water a strong alkaline solution is produced. Prolonged contact with wet cement or wet concrete may cause serious burns because they develop without pain being felt e.g. when kneeling in wet cement even when wearing trousers. Frequent inhalation of large quantities of cement dust over a long period of time increases the risk of developing lung disease. Product dust may be irritating to eyes, skin and respiratory system. When cement reacts with water a strong alkaline solution is produced. Prolonged contact with wet cement or wet concrete may cause serious burns because they develop without pain being felt e.g. when kneeling in wet cement even when wearing trousers. Frequent inhalation of large quantities of cement dust over a long period of time increases the risk of developing lung disease. Material becomes extremely slippery when wet. Repeated exposure may cause skin dryness or cracking.

3. Composition/information on ingredients

3.1. Substances

Not applicable.

Mixture

Chemical name	CAS No.	Weight-%
Quartz	14808-60-7	60 - 100

Cement, portland, chemicals	65997-15-1	10 - 30
Limestone	1317-65-3	1 - <5
Gypsum (Ca(SO4).2H2O)	13397-24-5	1 - <5

**The exact percentage (concentration) of composition has been withheld as a trade secret*

4. First-aid measures

4.1. Description of first aid measures

General advice If medical advice is needed, have product container or label at hand. Take a copy of the Safety Data Sheet when going for medical treatment.

Inhalation Remove to fresh air. Get medical attention immediately if symptoms occur.

Eye contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Do not rub affected area. Get medical attention immediately if symptoms occur.

Skin contact Brush off loose particles from skin. Remove material from skin immediately. May cause an allergic skin reaction. Wash off immediately with soap and plenty of water for at least 15 minutes. Take off contaminated clothing and wash before reuse. In the case of skin irritation or allergic reactions see a physician.

Ingestion Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician or poison control center immediately.

Self-protection of the first aider Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

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

Symptoms Burning sensation. Itching. Rashes. Hives. Causes serious eye damage. Irritating to skin. Inhalation of dust in high concentration may cause irritation of respiratory system. Frequent inhalation of large quantities of cement dust over a long period of time increases the risk of developing lung disease. When cement reacts with water a strong alkaline solution is produced. Prolonged contact with wet cement or wet concrete may cause serious burns because they develop without pain being felt e.g. when kneeling in wet cement even when wearing trousers. Dust irritates eyes and air passages.

Effects of Exposure No information available.

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

Note to physicians May cause sensitization in susceptible persons. May cause sensitization by skin contact. Treat symptomatically.

5. Fire-Fighting Measures

5.1. Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical Product is or contains a sensitizer. May cause sensitization by skin contact.

Hazardous combustion products Carbon oxides. Sulfur oxides. Silicon dioxide.

Explosion data
Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Use personal protective equipment as required. Avoid generation of dust. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling.

Other information Refer to protective measures listed in Sections 7 and 8.

For emergency responders Sweep up to prevent slipping hazard.

6.2. Environmental precautions

Environmental precautions Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Prevent dust cloud. Cover powder spill with plastic sheet or tarp to minimize spreading. Do not touch or walk through spilled material.

Methods for cleaning up Use personal protective equipment as required. Do not dry sweep dust. Wet dust with water before sweeping or use a vacuum to collect dust. Avoid generation of dust. Pick up and transfer to properly labeled containers.

Reference to other sections See section 8 for more information. See section 13 for more information.

7. Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Use personal protection equipment. Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation. Do not breathe dust. Avoid generation of dust. Avoid contact with skin and eyes. Wash thoroughly after handling. Take off contaminated clothing and wash before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children. Keep the packing dry and well sealed to prevent contamination and absorption of humidity. Protect from moisture.

7.3 References to other sections

Reference to other sections Section 10: STABILITY AND REACTIVITY
Section 13: DISPOSAL CONSIDERATIONS

8. Exposure Controls/Personal Protection

8.1. Control parameters

Exposure Limits

Chemical name	ACGIH TLV	OSHA PEL	NIOSH
Quartz 14808-60-7	TWA: 0.025 mg/m³ respirable particulate matter	TWA: 50 µg/m³ (vacated) TWA: 0.1 mg/m³ respirable dust : (250)/(%SiO2 + 5) mppcf TWA respirable fraction : (10)/(%SiO2 + 2) mg/m³ TWA respirable fraction	IDLH: 50 mg/m³ respirable dust TWA: 0.05 mg/m³ respirable dust
Cement, portland, chemicals 65997-15-1	TWA: 1 mg/m³ respirable particulate matter particulate matter containing no Asbestos and <1% Crystalline silica	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 10 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction TWA: 50 mppcf <1% Crystalline silica	IDLH: 5000 mg/m³ TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust
Limestone 1317-65-3	-	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 15 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction	TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust
Gypsum (Ca(SO4).2H2O) 13397-24-5	TWA: 10 mg/m³ inhalable particulate matter	TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 15 mg/m³ total dust (vacated) TWA: 5 mg/m³ respirable fraction	TWA: 10 mg/m³ total dust TWA: 5 mg/m³ respirable dust

Chemical name	Argentina	Brazil	S.D. 594/1999	Colombia
Quartz 14808-60-7	TWA-CMP: 0.05 mg/m³; respirable fraction	TWA-LT: 0.025 mg/m³; respirable particulate matter	TWA-LPP: 0.08 mg/m³;respirable fraction	TWA: 0.025mg/m³
Cement, portland, chemicals	TWA-CMP: 10 mg/m³;	TWA-LT: 1 mg/m³;	TWA-LPP:	TWA: 1mg/m³

65997-15-1		respirable particulate matter	8.8 mg/m³;free of Asbestos with <1% free Crystalline Silica	
Limestone 1317-65-3	TWA-CMP: 10 mg/m³;	-	TWA-LPP: 7 mg/m³;free of Asbestos with <1% free Crystalline Silica TWA-LPP: 5 mg/m³;respirable fraction	-
Gypsum (Ca(SO4).2H2O) 13397-24-5	TWA-CMP: 10 mg/m³;	TWA-LT: 10 mg/m³; inhalable particulate matter	TWA-LPP: 8.8 mg/m³;free of Asbestos with <1% free Crystalline Silica	TWA: 10mg/m³

Chemical name	Costa Rica	Peru	Uruguay	Venezuela
Quartz 14808-60-7	TWA: 0.025mg/m³	TWA: 0.05mg/m³	0.025 mg/m³ TWA (respirable particulate matter)	TWA: 0.025 mg/m³
Cement, portland, chemicals 65997-15-1	TWA: 1mg/m³	TWA: 10mg/m³	1 mg/m³ TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable particulate matter)	TWA: 10 mg/m³
Gypsum (Ca(SO4).2H2O) 13397-24-5	TWA: 10mg/m³	TWA: 10mg/m³	10 mg/m³ TWA (inhalable particulate matter, listed under Calcium sulfate)	TWA: 10 mg/m³

8.2. Exposure controls

Appropriate engineering controls

Engineering controls Showers
Eyewash stations
Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Tight sealing safety goggles. Avoid contact with eyes.

Hand protection Wear suitable chemical resistant gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and various manufacturers.

Skin and body protection Wear suitable protective clothing. Long sleeved clothing.

Respiratory protection Use appropriate respiratory protection. No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical state	Solid
Appearance	Powder
Color	Gray
Odor	No information available
Odor threshold	No information available

Property	**Values**	**Remarks • Method**
pH	No data available	None known
pH (as aqueous solution)	No data available	None known
Melting point / freezing point	Not applicable .	Not applicable
Initial boiling point and boiling range	No data available	Not applicable
Flash point	No data available	Not applicable
Evaporation rate	Not applicable .	None known
Flammability	No data available	None known
Flammability Limit in Air		None known
Upper flammability or explosive limits	No data available	
Lower flammability or explosive limits	No data available	
Vapor pressure	No data available	None known
Relative vapor density	No data available	None known
Relative density	No data available	None known
Water solubility	No data available Cement based products react and solidify in contact with water	None known
Solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Autoignition temperature	No data available	None known
Decomposition temperature	No data available	None known
Kinematic viscosity	Not applicable . mm^2/s	Not applicable
Dynamic viscosity	.	Not applicable

9.2. Other information

Explosive properties	No information available
Oxidizing properties	No information available
Solvent content (%)	No information available
Solid content (%)	100
Softening point	Not applicable
Molecular weight	No information available
VOC content	No information available
Density	2.770 g/cm^3
Bulk density	No information available

10. Stability and Reactivity

10.1. Reactivity

Reactivity Product cures with moisture.

10.2. Chemical stability

Chemical stability Keep away from Incompatible materials. Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Product cures with moisture. Protect from moisture.

10.5. Incompatible materials

Incompatible materials Strong acids. Strong bases. Strong oxidizing agents. Acids. Aluminum.

10.6. Hazardous decomposition products

Hazardous decomposition products None known based on information supplied

11. Toxicological information

11.1. Information on toxicological effects

Product Information

Inhalation Based on available data, the classification criteria are not met. May cause irritation of respiratory tract.

Eye contact Causes serious eye damage. May cause irreversible damage to eyes.

Skin contact May cause sensitization by skin contact. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. Causes skin irritation.

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Redness. Burning. May cause blindness. Itching. Rashes. Hives. May cause redness and tearing of the eyes.

Acute toxicity
Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	112,928.60 mg/kg
ATEmix (dermal)	>5000 mg/kg
ATEmix (inhalation-gas)	>20000 ppm
ATEmix (inhalation-dust/mist)	>5 mg/l
ATEmix (inhalation-vapor)	>20 mg/l

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Quartz 14808-60-7	=6450 mg/kg (Rattus)	-	-
Cement, portland, chemicals	LD50 >2000 mg/Kg (Rattus)	LD50 >2000 mg/Kg	-

65997-15-1			
Limestone 1317-65-3	>5000 mg/kg (Rattus)	-	-
Gypsum (Ca(SO4).2H2O) 13397-24-5	> 1581 mg/kg (Rat)	-	> 3.26326 mg/L (Rat) 4 h

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation Classification based on data available for ingredients. Causes skin irritation.

Serious eye damage/eye irritation Classification based on data available for ingredients. Causes burns. Causes serious eye damage.

Respiratory or skin sensitization May cause an allergic skin reaction.

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

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

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Quartz 14808-60-7	A2 A2 - Suspected Human Carcinogen	Group 1	Known	X
Cement, portland, chemicals 65997-15-1	A4 - Not Classifiable as a Human Carcinogen	-	-	-

Legend
ACGIH (American Conference of Governmental Industrial Hygienists)
A2 - Suspected human carcinogen
A4 - Not classifiable as a human carcinogen
IARC (International Agency for Research on Cancer)
Group 1 - Carcinogenic to humans
NTP (National Toxicology Program)
Known - Known Carcinogen
Occupational Safety and Health Administration of the US Department of Labor
X - Present

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 Causes damage to organs through prolonged or repeated exposure.

Target organ effects Respiratory system, Eyes, Skin, Lungs.

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

Other adverse effects No information available.

Interactive effects No information available.

12. Ecological information

12.1. Toxicity

Ecotoxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Limestone 1317-65-3	CE50 (72h) >200mg/L Algae (Desmondesmus subspicatus)	CL50 (96h)>10000mg/L (Oncorhynchus mykiss)	-	CE50 (48h) >1000 mg/L Daphnia Magna
Gypsum (Ca(SO4).2H2O) 13397-24-5	-	LC50: =2980mg/L (96h, Lepomis macrochirus) LC50: >1970mg/L (96h, Pimephales promelas)	-	-

12.2. Persistence and degradability

Persistence and degradability No information available.

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

Component Information

Chemical name	Partition coefficient
Limestone 1317-65-3	0.9

12.4. Mobility in soil

Mobility No information available.

Other adverse effects

Other adverse effects No information available.

13. Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Contaminated packaging Dispose of in accordance with federal, state and local regulations.

14. Transport information

DOT Not regulated

IATA Not regulated

IMDG Not regulated

15. Regulatory Information

International Inventories

TSCA	Complies
DSL	Complies

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL - Canadian Domestic Substances List
Complies - The components of this product are either listed or exempt from listing on inventory. Active
Not Listed - One or more components of this product are not listed on inventory.

US Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories
Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

16. Other Information

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend
SVHC: Substances of Very High Concern for Authorization:
PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances
vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances
STOT: Specific Target Organ Toxicity
ATE: Acute Toxicity Estimate
LC50: 50% Lethal Concentration
LD50: 50% Lethal Dose

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	Sk*	Skin designation

Prepared By Product Stewardship and Regulatory Affairs.

Revision date 14-Nov-2025

Revision Note SDS sections updated. 4. 9.

Disclaimer
All information contained herein is believed to be accurate as of the date of publication, is provided “as-is” and is subject

to change without notice. This is not a warranty, an agreement, or substitute for expert or professional advice. Bostik Inc. ("Company") expressly disclaims and assumes no liability for the use of the products or reliance on this information. It is the sole responsibility of the user to determine the suitability of any products for user's application(s). NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED (INCLUDING SUITABILITY FOR USE IN ANY MEDICAL DEVICE OR MEDICAL APPLICATION), IS MADE CONCERNING THE PRODUCTS OR THE INFORMATION PROVIDED HEREIN. The information provided relates only to the specific products designated herein and may not be valid where such products are used in combination with other materials or in any process. The performance of the product, its shelf life, and application characteristics depends on many variables, and changes in these variables can impact product performance. You are responsible to test the suitability of any product in advance for any intended use or application and before commercialization. Nothing herein shall be construed as a license for the use of any product in a manner that might infringe any patent and it should not be construed as an inducement to infringe any patent. Please carefully review the Safety Data Sheet for the product.

The Company adheres to a strict policy that applies to the use of any of its products in medical device applications. This policy can be found at https://www.arkema.com/global/en/social-responsibility/innovation-and-sustainable-solutions/responsible-product-management/medical-device-policy/ which is incorporated herein by reference and made a part hereof. Except as expressly authorized, the Company (i) has designated specific medical grade compositions for products used in medical device applications and Company products not so designated are not authorized for use in medical device applications and (ii) strictly prohibits the use of any of its products in medical device applications that are implanted in the body or in contact with bodily fluids or tissues for greater than 30 days. The Company does not design, manufacture and/or directly sell any medical devices. The Company does not co-design, or offer assistance to any purchaser of its products, in their design, manufacture and/or sale of products for medical devices. It is the sole responsibility of the manufacturer of medical devices to determine the suitability of all raw material, products and components, including any medical grade products, in order to ensure that the medical device is safe for end-use and complies with all applicable legal and regulatory requirements and to conduct all necessary tests and inspections.

End of Safety Data Sheet