HALLIBURTON

SAFETY DATA SHEET

CLAY-DRILL

Revision Date: 02-Mar-2023 Revision Number: 6

1. Identification

Product identifier

Product Name CLAY-DRILL

Other means of identification

Hazardous Material Number: HM008265

Recommended use of the chemical and restrictions on use

Recommended Use Drilling Fluid
Uses advised against Consumer use

Supplier details

Halliburton Energy Services Halliburton Energy Services Halliburton Energy Services

Av. Amazonas N37-29 y Villalengua Edif., Carrera 7 No. 71-52, Floor 7, Torre B, Avenida Principal De Santa Rita Sector

Quito, Ecuador Bogotá, Colombia Punta

Santa Rita, WES, Venezuela

For further information, please contact:

E-mail Address fdunexchem@halliburton.com

Emergency Phone number

US/Canada: +1-760-476-3962 Peru: 5116 1867 77

Argentina: +54 11 5219 8871 Chile: +56 44 8905208 Colombia: +57 1 344 1317 Panama: +50 78 387596

Global Incident Response Access Code: 334305

Contract Number: 14012

2. Hazards Identification

Classification of the hazardous chemical

Label Elements

Hazard Pictograms

Signal Word: None

Hazard Statements Not Classified

Precautionary Statements

Prevention None Response None

Storage None Disposal None

Contains

Substances CAS Number

Contains no hazardous substances in concentrations above cut-off values according to the competent authority

Other hazards which do not result in classification

None known

3. Composition/Information on Ingredients

Product Classification: Substance

Substances	CAS Number	PERCENT (w/w)	GHS Classification
Contains no hazardous substances in	NA	60 - 100%	Not classified
concentrations above cut-off values			
according to the competent authority			

The specific chemical identity of the composition has been withheld as proprietary.

4. First Aid Measures

Description of first aid measures

Inhalation If inhaled, remove from area to fresh air. Get medical attention if respiratory

irritation develops or if breathing becomes difficult.

Eyes In case of contact, immediately flush eyes with plenty of water for at least 15

minutes and get medical attention if irritation persists.

Skin Wash with soap and water. Get medical attention if irritation persists.

Ingestion Rinse mouth with water many times. Get medical attention, if symptoms occur

Most important symptoms and effects, both acute and delayed

No significant hazards expected.

Indication of any immediate medical attention and special treatment needed

Notes to Physician Treat symptomatically

5. Fire-fighting measures

Suitable extinguishing media

Suitable Extinguishing Media

All standard fire fighting media

Extinguishing media which must not be used for safety reasons

None known.

Physicochemical hazards arising from the chemical

Special exposure hazards in a fire

Decomposition in fire may produce harmful gases. Organic dust in the presence of an ignition source can be explosive in high concentrations. Good housekeeping practices are required to minimize this potential.

Special protective equipment and precautions for fire fighters

Special protective equipment for firefighters

Full protective clothing and approved self-contained breathing apparatus required for fire fighting personnel.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Use appropriate protective equipment. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Avoid creating and breathing dust. Remove sources of ignition. Use only competent persons for cleanup. Slippery when wet. See Section 8 for additional information.

Environmental precautions

None known.

Methods and material for containment and cleaning up

Cover powder spill with plastic sheet or tarp to minimize spreading Scoop up and remove.

7. Handling and storage

Precautions for safe handling

Use appropriate protective equipment. Avoid contact with eyes, skin, or clothing. Ensure adequate ventilation. Avoid creating or inhaling dust. Avoid dust accumulations. Remove sources of ignition. Slippery when wet.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Store away from oxidizers. Store in a cool, dry location. Keep container closed when not in use. Keep from heat, sparks, and open flames. Product has a shelf life of 24 months.

8. Exposure Controls/Personal Protection

Control parameters

Exposure Limits

Substances	CAS Number	Venzuela	Colombia	Argentina
Contains no hazardous substances in	NA	Not applicable	Not applicable	Not applicable
concentrations above cut-off values				
according to the competent authority				

Appropriate engineering controls

Engineering Controls Localized ventilation should be used to control dust levels.

Individual protection measures, such as personal protective equipment

Personal Protective Equipment If engineering controls and work practices cannot prevent excessive exposures, the

selection and proper use of personal protective equipment should be determined by an industrial hygienist or other qualified professional based on the specific application of this

product.

Respiratory Protection Not normally necessary.

Dust/mist respirator. (N95, P2/P3)

Hand Protection Use gloves which are suitable for the chemicals present in this product as well as other

environmental factors in the workplace.

Skin Protection Wear clothing appropriate for the work environment. Dusty clothing should be laundered

before reuse. Use precautionary measures to avoid creating dust when removing or

laundering clothing.

Eye Protection Safety glasses with side-shields. If splashes are likely to occur, wear: Goggles, Face-shield.

Other Precautions None known.

Environmental Exposure Controls No information available

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Physical State: Powder Color White to yellow

Odor: Odorless Odor Threshold: No information available

Property Values

Remarks/ - Method

pH: 7-9 (5%) Freezing Point / Range No data available **Melting Point / Range** No data available Pour Point / Range No data available **Boiling Point / Range** 103 °C / 219 °F Flash Point No data available **Evaporation rate** No data available **Vapor Pressure** No data available **Vapor Density** No data available **Specific Gravity** 0.75 - 0.95**Water Solubility** Soluble in water Solubility in other solvents No data available Partition coefficient: n-octanol/water No data available **Autoignition Temperature** No data available **Decomposition Temperature** No data available No data available **Viscosity** No information available **Explosive Properties** No information available **Oxidizing Properties**

Other information

 VOC Content (%)
 8-13%

 Bulk Density
 48-55 lbs/ft3

10. Stability and Reactivity

Reactivity

Not expected to be reactive.

Chemical stability

Stable

Possibility of hazardous reactions

Will Not Occur

Conditions to avoid

Keep away from heat, sparks and flame.

Incompatible materials

Strong oxidizers. Prolonged contact with aluminum. Contact with copper. Contact with iron.

Hazardous decomposition products

Oxides of nitrogen. Ammonia. Carbon monoxide and carbon dioxide.

11. Toxicological Information

Information on possible routes of exposure

Principle Route of Exposure Eye or skin contact, inhalation. Ingestion.

Most Important Symptoms/Effects

No significant hazards expected.

Toxicology data for the components

Substances	CAS Number	LD50 Oral	LD50 Dermal	LC50 Inhalation
Contains no hazardous	NA	No data available	No data available	No data available
substances in				
concentrations above				
cut-off values according				
to the competent				
authority				

Immediate, delayed and chronic health effects from exposure

InhalationMay cause mild respiratory irritation.Eye ContactMay cause mechanical irritation to eye.

Skin Contact None known.

Ingestion May cause abdominal pain, vomiting, nausea, and diarrhea.

Chronic Effects/Carcinogenicity No data available to indicate product or components present at greater than 0.1% are

chronic health hazards.

12. Ecological Information

Ecotoxicity

12.1. Toxicity

Ecotoxicity effects

Product is not classified as hazardous to the environment

Substances	CAS Number	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Toxicity to Invertebrates
Contains no hazardous substances in concentrations above cut-off values according to the competent authority	NA	No information available	No information available	No information available	No information available

Persistence and degradability

Substances	CAS Number	Persistence and Degradability
Contains no hazardous substances in	NA	No information available
concentrations above cut-off values according to		
the competent authority		

Bioaccumulative potential

Substances	CAS Number	Bioaccumulation
Contains no hazardous substances in	NA	No information available
concentrations above cut-off values according to		
the competent authority		

Mobility in soil

Substances	CAS Number	Mobility
Contains no hazardous substances in concentrations	NA	No information available
above cut-off values according to the competent authority		

Other adverse effects

Endocrine Disruptor Information

This product does not contain any known or suspected endocrine disruptors

13. Disposal Considerations

Disposal methods

Disposal methodsDisposal should be made in accordance with federal, state, and local regulations.

Contaminated Packaging Follow all applicable national or local regulations.

14. Transport Information

Transportation Information

UN Number Not restricted
UN proper shipping name: Not restricted
Transport Hazard Class(es): Not applicable
Packing Group: Not applicable
Environmental Hazards: Not applicable

IMDG/IMO

UN Number
UN proper shipping name:
Transport Hazard Class(es):
Packing Group:
Not applicable
Not applicable
Not applicable

IATA/ICAO

UN Number
UN proper shipping name:
Transport Hazard Class(es):
Packing Group:
Not applicable
Not applicable
Not applicable
Not applicable

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

Not applicable

Special precautions for user

None

15. Regulatory Information

International Agreements

Montreal Protocol - Ozone Depleting Substances:Does not apply.Stockholm Convention - Persistent Organic Pollutants:Does not apply.Rotterdam Convention - Prior Informed Consent:Does not apply.Basel Convention - Hazardous Waste:Does not apply.

NFPA Ratings: Health 0, Flammability 1, Reactivity 0

HMIS Ratings: Health 0, Flammability 1, Physical Hazard 0, PPE: B

16. Other Information

Revision Date: 02-Mar-2023

Revision Note Update to Format

Key literature references and sources for data

www.ChemADVISOR.com/

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

bw - body weight

CAS - Chemical Abstracts Service

EC10 - Effective Concentration 10%

EC50 - Effective Concentration 50%

EEC - European Economic Community

ErC50 – Effective Concentration growth rate 50%

IBC Code - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk

LC50 - Lethal Concentration 50%

LD50 – Lethal Dose 50%

LL0 - Lethal Loading 0%

LL50 - Lethal Loading 50%

MARPOL - International Convention for the Prevention of Pollution from Ships

mg/kg - milligram/kilogram

mg/L - milligram/liter

NIOSH - National Institute for Occupational Safety and Health

NOEC - No Observed Effect Concentration

NTP - National Toxicology Program

OEL – Occupational Exposure Limit

PBT - Persistent Bioaccumulative and Toxic

PC - Chemical Product category

PEL – Permissible Exposure Limit

ppm - parts per million

PROC - Process category

STEL - Short Term Exposure Limit

h - hour

d - day

Disclaimer Statement

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End of Safety Data Sheet