

SAFETY DATA SHEET

Section 1: IDENTIFICATION

Product Identity: Humalite MP 30

Alternate Names: Powder, Activ80 MP

Intended Use: Drilling fluid additive

Application Method Drilling fluid additive

Manufacturer/Supplier: Bri-Chem Supply Ltd.
27075 Acheson Road
Acheson, AB T7X 6B1

Phone Number: 780-962-9490

Emergency Phone: INFOTRAC 1-800-535-5053

Section 2: HAZARD(S) IDENTIFICATION

Classification of The Substance or Mixture: No applicable GHS categories.

Label Elements: Using the Toxicity Data listed in Section 11 and 12 the product is labeled as follows:

No applicable GHS categories

Prevention: No GHS prevention statements

Response: No GHS response statements.

Storage: No GHS storage statements

Disposal: No GHS disposal statements

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Humalite CAS Number: 129521-66-0	100%	Not Classified	[1]

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

- [1] Substance classified with a health or environmental hazard.
- [2] Substance with a workplace exposure limit.
- [3] PBT- substance or vPvB substance.

Section 4: FIRST-AID MEASURES

Description of First Aid Measures

General: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

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- Inhalation:** Inhalation of dust alone is unlikely to result in an emergency situation. If necessary, use adequate respiratory protection and remove victim to fresh air. Get prompt medical attention if breathing difficulty is evident.
- Eyes:** Flush eyes with large amounts of water to remove residual dust particles. Get medical attention if irritation persists.
- Skin:** Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
- Ingestion:** If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

Most Important Symptoms and Effects, Both Acute and Delayed

- Overview:** Effects of Acute Exposure to Product: Airborne respirable dust may cause irritation to the nose, throat and lungs. Dust particles may mechanically irritate the eyes and impair vision.
- Effects of Chronic Exposure to Product: Prolonged and/or repeated exposure via inhalation may result in progressive and permanent lung disorders and damage. Dust has been related to silicosis.
- Irritacy of Product: Dust causes irritation as noted above. Skin contact and ingestion are not considered hazardous.
- Sensitization to Products: Negligible.
- Carcinogenicity: Not considered a human carcinogen.
- Teratogenicity: Not established.
- Reproductive Toxicity: Not established
- Mutagenicity: Not established.
- Synergistic Products: None established.
- Crystalline Silica: < 0.6%
- See section 2 for further details.

Section 5: FIRE-FIGHTING MEASURES

- Extinguishing Media:** Any media suitable for the surrounding fire.
- Special Hazards Arising from The Substance or Mixture:** Hazardous decomposition. No hazardous decomposition data available.
- Advice for Fire-Fighters:** Use protective clothing and breathing equipment appropriate for the surrounding fire.
- ERG Guide No.:** --

Section 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:	Put on appropriate personal protective equipment (see Section 8).
Environmental Precautions:	Do not allow spills to enter drains or waterways. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.
Methods and Material for Containment and Cleaning Up:	Leak and Spill Procedure: Take steps to control product discharge to the environment. Notify appropriate authorities immediately and arrange for recovery of spilled material.
Waste Disposal:	Ensure waste material is disposed of in accordance with applicable environmental regulations, including local requirements.

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling:	Minimize generation of dust during handling. Provide adequate ventilation. Be aware of dust explosion hazard. See Section 2 for further details.
Conditions for Safe Storage, Including any Incompatibilities:	Handle containers carefully to prevent damage and spillage. Incompatible materials: No data available. Store in dry place. Keep product containers closed or covered where possible. See section 2 for further details. - [Storage]:
Specific End Use(s):	No data available

Section 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure CAS No.	Ingredient	Source	Value
129521-66-0	Humalite	OSHA ACGIH NIOSH Supplier	No Established Limit No Established Limit No Established Limit No Established Limit

The exposure limits for nuisance dust are: OSHA PEL: 15 mg/m³ (50 mppcf*) TWA, ACGIH 10 mg/m³

Carcinogen Data			
CAS No.	Ingredient	Source	Value
129521-66-0	Humalite	OSHA NTP IARC	Select Carcinogen: No Known: No Suspected: No Group 1: No; Group 2a: No; Group 2b: No; Group 3 No; Group 4: No

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Exposure Controls

Respiratory:	An approved (NIOSH/MSHA) respirator equipped with a dust filter, approved for silica bearing dust, should be worn when exposed to the product under dust generating conditions.
Eyes:	Goggles recommended.
Skin	Wear overalls to keep skin contact to a minimum.
Engineering Controls	Local exhaust ventilation and confinement of handling systems may be required to control exposure to dust.
Other Work Practices:	Disposable units are normally satisfactory for short-term or intermittent exposure. The use of additional personal protective equipment varies with severity of conditions. Safety goggles, coveralls and protective footwear are recommended when handling bulk quantities of the product. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse. See Section 2 for further details – Prevention.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Dark brown / black solid
Odor:	Odorless
Odor Threshold:	Not measured
pH:	3.5 – 4.0
Melting Point/Freezing Point:	Not measured
Initial Boiling Point and Boiling Range:	Does not form liquid
Flash Point	Not measured
Evaporation Rate (Ether=1):	Not measured
Flammability (Solid, Gas):	Not applicable
Upper/Lower Flammability or Explosive Limits:	Lower: Not measured Upper: Not measured
Vapor Pressure (Pa):	Negligible
Specific Gravity:	Not measured
Solubility in Water:	Not measured
Partition Coefficient n-Octanol/Water (Low Kow):	Not measured
Auto-Ignition Temperature:	Not measured
Decomposition Temperature:	Not measured

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Viscosity:	Not measured
Bulk Density:	774 kg/m ³
Coefficient of Oil/Water Distribution:	Not available – product may contain up to 35% moisture.
% Volatile:	(No water) 0%
Moisture Variation:	The product may lose (or gain) moisture over time, dependent on humidity and temperature conditions and on exposure of product surfaces to the environment.
Other Information	No other relevant information

Section 10: STABILITY AND REACTIVITY

Reactivity:	Hazardous Polymerization will not occur.
Chemical Stability:	Stable under normal circumstances.
Possibility of Hazardous Reactions:	No data available
Conditions to Avoid:	No data available
Incompatible Materials:	No data available
Hazardous Decomposition Products:	No hazardous decomposition data available.

Section 11: TOXICOLOGICAL INFORMATION

Acute Toxicity

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4h	Inhalation Dust/Mist LC50, mg/L/4h	Inhalation Gas LC50, ppm
Humalite 129521-66-0	No data available	No data available	No data available	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Classification	Category	Hazard Description
Acute Toxicity (Oral)	--	Not applicable
Acute Toxicity (Dermal)	--	Not applicable
Acute Toxicity (Inhalation)	--	Not applicable
Skin Corrosion/Irritation	--	Not applicable
Serious Eye Damage/Irritation	--	Not applicable
Respiratory Sensitization	--	Not applicable
Skin Sensitization	--	Not applicable

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Germ Cell Mutagenicity	--	Not applicable
Carcinogenicity	--	Not applicable
Reproductive Toxicity	--	Not applicable
STOT – Single Exposure	--	Not applicable
STOT – Repeated Exposure	--	Not applicable
Aspiration Hazard	--	Not applicable

Section 12: ECOLOGICAL INFORMATION

Toxicity: No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96hr LC50 fish, mg/L	48hr EC50 crustacea, mg/L	ErC50 algae, mg/L
Humalite 129521-66-0	Not available	Not available	Not available

96-Hour LC50 Crustacea 1000000 ppm Acute

Persistence and Degradability: There is no data available on the preparation itself.

Bioaccumulative Potential: Not measured

Mobility in Soil: No data available

Results of PBT and vPvB Assessment: This contains no PBT or vPvB chemicals.

Other Adverse Effects: No data available

Section 13: DISPOSAL CONSIDERATIONS

Waste Treatment Methods: Observe all federal, state and local regulations when disposing of this substance.

Section 14: TRANSPORT INFORMATION

	DOT (Domestic Surface Transportation)	IMO/IMDG (Ocean Transportation)	ICAO/IATA
UN Number:	Not applicable	Not regulated	Not regulated
UN Proper Shipping Name:	Not regulated	Not regulated	Not regulated
Transport Hazard Class(es):	DOT Hazard Class: Not applicable	IMDG: Not applicable Sub Class: Not applicable	Air Class: Not applicable
Packing Group:	Not applicable	Not applicable	Not applicable
Environmental Hazards:	IMDG Marine Pollutant: No		

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Special Precautions for User: No further information

Section 15: REGULATORY INFORMATION

Regulatory Overview: The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA) All components of this material are either listed or exempt from listing on the TSCA Inventory.

WHMIS Classification: Not regulated

US EPA Tier II Hazards: Fire: No

Sudden Release of Pressure: No

Reactive: No

Immediate (Acute): No

Delayed (Chronic): No

EPCRA 311/312 Chemicals and RQs:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%) :

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Pennsylvania RTK Substances (>1%) :

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Section 16: OTHER INFORMATION

Disclaimer:

The information contained herein is based on data available to us and is believed to be true and accurate. However, no guarantee or warranty is provided, expressed or implied, by the company or its subsidiaries regarding accuracy of the information, the hazards connected with the use of the material, or the results to be obtained from the use thereof. Since the use of this product is within the exclusive control of the user, we do not assume any responsibility and expressly disclaim any liability for any use of this product. It is the user's responsibility to determine the conditions of safe use, storage, and disposal of the product. Compliance with all applicable federal, provincial, and local regulations remains the responsibility of the user.

Prepared by: Bri-Chem Supply Ltd.

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