



Material Safety Data Sheet

DRILL-OUT(TM) EXTENDER

April 30, 2000

MSDS #: 431050

CHEVRON PHILLIPS CHEMICAL COMPANY LP
10001 Six Pines Drive
The Woodlands, TX 77380

PHONE NUMBERS

HEALTH:

Chevron Phillips Emergency
Information Center 866.442.9628
(North America) and
1.832.813.4984 (International)

TRANSPORTATION:

North America: CHEMTREC 800.424.9300
or 703.527.3887
ASIA: 1.703.527.3887
EUROPE: BIG .32.14.584545 (phone)
or .32.14.583516 (telefax)
SOUTH AMERICA SOS-Cotec
Inside Brazil: 0800.111.767
Outside Brazil: 55.19.3467.1600
Technical Services: (832) 813-4862
For Additional MSDSs: (800) 852-5530

A. Product Identification

Synonyms: Drilling Mud Additive
Chemical Name: Mixture
Chemical Family: Mixture
Chemical Formula: Mixture
CAS Reg. No.: Mixture
Product No.: Not Established

Product and/or Components Entered on EPA's TSCA Inventory: YES
This product is in U.S. commerce, and is listed in the Toxic Substances Control Act (TSCA) Inventory of Chemicals; hence, it may be subject to applicable TSCA provisions and restrictions.

Canadian Inventory Listing Status: DSL
All ingredients are listed in the Domestic Substances List (DSL).
Impurities are exempt in accordance with Section 3 of the Canadian Environmental Protection Act (CEPA).

B. Components

Ingredients	CAS Number	% By Wt.	OSHA PEL	ACGIH TLV
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The specific chemical identity of this material is being withheld as a trade secret. It will be provided in accordance with the provisions of 29 CFR Part 1910.1200(i). In the event of a medical emergency, it will be provided to a treating physician or nurse through utilization of the above Emergency Telephone Number.

See Section F for Recommended Exposure Limits.

C. Personal Protection Information

Ventilation: Use adequate ventilation to control concentration below recommended exposure limits.

Respiratory Protection: For concentrations exceeding the recommended exposure limit, use NIOSH approved air purifying respirator.

Eye Protection: Use safety glasses with side shields.

Skin Protection: Use neoprene or nitrile rubber protective garments to prevent skin contact.

NOTE: Personal protection information shown in Section C is based upon general information as to normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the expert assistance of an industrial hygienist or other qualified professional be sought.

D. Handling and Storage Precautions

Proper personal protective equipment must be used when handling this chemical.

Do not get in eyes, on skin or on clothing. Do not breathe vapors, mist, fume or dust. Immediately remove and launder contaminated clothing before reuse. Wash thoroughly after handling. Use only with adequate ventilation.

Store in well-ventilated area. Store in closed container.

E. Reactivity Data

Stability: Stable
Conditions to Avoid: Not Applicable
Incompatibility (Materials to Avoid): Not Established

Hazardous Polymerization: Will Not Occur
Conditions to Avoid: Not Applicable
Hazardous Decomposition Products: Toxic metal fumes may form when heated.

F. Health Hazard Data

Recommended Exposure Limits:

	OSHA PEL	ACGIH TLV
Aluminum, as Al, soluble salts:	NE	2 mg/m ³

Acute Effects of Overexposure:

Eye: May cause chemical burns.

Skin: May cause mechanical irritation. Prolonged contact with moist skin may cause severe irritation.

Inhalation: May cause irritation to the mucous membrane of the respiratory tract, coughing and shortness of breath.

Ingestion: May cause gastrointestinal irritation, nausea, diarrhea, and vomiting.

Subchronic and Chronic Effects of Overexposure:

Inhalation of aluminum oxide particles has been associated with a condition (Shaver's disease), characterized by pulmonary fibrosis and emphysema. However, exposures may not have been limited to aluminum oxide alone.

Other Health Effects:

No known applicable information.

Health Hazard Categories:

	Animal	Human		Animal	Human
Known Carcinogen	___	___	Toxic	___	___
Suspect Carcinogen	___	___	Corrosive	<u>X</u>	<u>X</u>

Mutagen	_____	_____	Irritant	_____	_____
Teratogen	_____	_____	Target Organ Toxin	<u> X </u>	<u> X </u>
Allergic Sensitizer	_____	_____	Specify - Lung Irritant; Lung Toxin		
Highly Toxic	_____	_____			

Canadian: WHIMS

CLASS D: POISONOUS AND INFECTIOUS MATERIAL CATEGORIES

1. Materials Causing Immediate and Serious Toxic Effects

- A. Very Toxic _____
- B. Toxic _____

2. Materials Causing Other Toxic Effects

A. Very Toxic

- 1. Chronic Toxic Effects _____
- 2. Teratogen/Embryo Toxin _____
- 3. Carcinogen _____
- 4. Reproductive Toxin _____
- 5. Respiratory Tract Sensitizer _____
- 6. Mutagen _____

B. Toxic

- 1. Chronic Toxic Effects x
- 2. Skin or Eye Irritant x
- 3. Skin Sensitizer _____
- 4. Mutagen _____

Specify: Lung Toxin; Corrosive.

Other: Lungs - Irritant.

First Aid and Emergency Procedures:

Eye: Immediately hold eyelids apart and irrigate eyes with running water for at least fifteen minutes and continue to irrigate until otherwise directed by a physician. Treat for shock as necessary. Seek immediate medical attention.

Skin: Immediately flood affected area with running water for at least fifteen minutes while removing contaminated clothing and shoes. Treat for shock as necessary. Seek immediate medical attention.

Inhalation: Immediately remove from exposure. If breathing is difficult, give oxygen. If breathing ceases, administer artificial respiration followed by oxygen. Treat for shock as necessary. Seek immediate medical attention.

Ingestion: If vomitus is bloody, do not attempt to give anything by mouth, otherwise, immediately rinse mouth and lips and assist the

subject in swallowing large amounts of water. Do not induce vomiting or attempt chemical neutralization. Treat for shock as necessary. Seek immediate medical attention.

G. Physical Data

Appearance: Off-white solid
Odor: None
Boiling Point: Not Applicable
Vapor Pressure: Not Applicable
Vapor Density (Air = 1): Not Applicable
Solubility in Water: Not Established
Specific Gravity (H₂O = 1): Not Established
Percent Volatile by Volume: Not Applicable
Evaporation Rate (Butyl Acetate = 1): Not Applicable
Viscosity: Not Applicable

H. Fire and Explosion Data

Flash Point (Method Used): Not Applicable
Flammable Limits (% by Volume in Air): LEL - Not Applicable
UEL - Not Applicable

Fire Extinguishing Media: Dry chemical, foam or carbon dioxide (CO₂)

Special Fire Fighting Procedures: Evacuate area of all unnecessary personnel. Use NIOSH approved self-contained breathing apparatus and other protective equipment and/or garments described in Section C if conditions warrant. Shut off source, if possible. Water fog or spray may be used to cool exposed containers and equipment.

Fire and Explosion Hazards: Toxic fumes may form when burned.

I. Spill, Leak and Disposal Procedures

Precautions Required if Material is Released or Spilled:

Evacuate area of all unnecessary personnel. Wear protective equipment and/or garments described in Section C if exposure conditions warrant. Contain spill and control dusts. Keep out of water sources and sewers. Vacuum up or spray with water and sweep up and place in impervious bags or containers. If concentrations of finely divided powdered material in air are high, eliminate all possible ignition sources.

Waste Disposal (Insure Conformity with all Applicable Disposal Regulations):

Incinerate or place in permitted waste management facility.

J. DOT Transportation

Shipping Name: Sodium aluminate solid mixture
Hazard Class: 8 (Corrosive material)
ID Number: UN 2812
Packing Group: III
Marking: Sodium aluminate solid mixture, UN 2812
Label: Corrosive
Placard: Corrosive/2812
Hazardous Substance/RQ: Not Applicable
Shipping Description: Sodium aluminate solid mixture, 8 (Corrosive material), UN 2812, PG III
Packaging References: 49 CFR 173.154, 173.213, 173.240

K. RCRA Classification - Unadulterated Product as a Waste

Corrosive (D002)

Prior to disposal, consult your environmental contact to determine if the TCLP (Toxicity Characteristic Leaching Procedure, EPA Test Method 1311) is required. Reference 40 CFR Part 261.

L. Protection Required for Work on Contaminated Equipment

Contact immediate supervisor for specific instructions before work is initiated. Wear protective equipment and/or garments described in Section C if exposure conditions warrant.

M. Hazard Classification

This product meets the following hazard definition(s) as defined by the Occupational Safety and Health Hazard Communication Standard (29 CFR Section 1910.1200):

<input type="checkbox"/> Combustible Liquid	<input type="checkbox"/> Flammable Aerosol	<input type="checkbox"/> Oxidizer
<input type="checkbox"/> Compressed Gas	<input type="checkbox"/> Explosive	<input type="checkbox"/> Pyrophoric
<input type="checkbox"/> Flammable Gas	<input checked="" type="checkbox"/> Health Hazard (Section F)	<input type="checkbox"/> Unstable
<input type="checkbox"/> Flammable Liquid	<input type="checkbox"/> Organic Peroxide	<input type="checkbox"/> Water Reactive
<input type="checkbox"/> Flammable Solid		

___ Based on information presently available, this product does not meet any of the hazard definitions of 29 CFR Section 1910.1200.

Canadian: WHIMS

Class D-Poisonous and Infectious Material
Division 2. Material Causing Other Toxic Effects
Class E-Corrosive Material

N. Additional Comments

SARA 313

As of the preparation date, this product did not contain a chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

NFPA 704 Hazard Codes - - - - - Signals

Health	: 4	Least	- 0
Flammability:	1	Slight	- 1
Reactivity	: 0	Moderate	- 2
Special Haz.:	-	High	- 3
		Extreme	- 4

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