



CLAYLOCK SAFETY DATA SHEET

Revision Date: September 4, 2018

Review Date: May 8, 2024

SECTION 1: IDENTIFICATION

Product identifier CLAYLOCK

Other means of identification Neutralized amines

Product family Shale inhibitor

Recommended use Drilling fluid additive.

**Manufacturer/
vendor identifier** Prairie Mud Service, 738 6th Street, Estevan, SK S4A 1A4 306-634-3411

**Phone number
emergency** 306-634-3411

SECTION 2: HAZARD IDENTIFICATION

Classification

Skin irritation - category 3; Eye irritation - category 2B

Label elements

Signal word:

WARNING!

Hazard statement(s):

Causes skin and eye irritation.

Precautionary statement(s):

Wash hands and skin thoroughly after handling.

Intervention :

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if the victim wears them and if they can be easily removed. Continue rinsing.

In case of skin irritation: Seek medical advice or seek medical advice.

If eye irritation persists: Seek medical advice or consult a physician.



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical name	CAS number	%	Other identifiers	Other names
Formic Acid comp'd with 1, 6-Hexanediamine (2:1)	65597-02-6	60-100		

Notes

Concentrations are expressed in % w/w.

SECTION 4: FIRST AID

Inhalation

Move to fresh air. If breathing is difficult, have qualified personnel administer oxygen. If person is not breathing, perform artificial respiration and seek medical attention.

Skin contact

Avoid direct contact. Wear chemical protective suit, if necessary. Remove contaminated clothing, shoes and leather goods (eg watch bands, belts). Rinse gently and thoroughly in lukewarm water with mild soap for 5 minutes. If irritation develops or persists, seek medical attention.

Eye contact

Rinse contaminated eyes immediately with lukewarm water, gently, for 15 to 20 minutes, while keeping the eyelids open. Remove contact lenses if the victim wears them and if they can be easily removed. If eye irritation persists seek medical advice or consult a physician.

Ingestion

Rinse mouth with water. Never give anything by mouth to an unconscious or convulsing victim. Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or belt. If the patient is not breathing, perform mouth-to-mouth resuscitation. See a doctor.

SECTION 5: FIRE FIGHTING MEASURES**Extinguishing agents****Suitable extinguishing agents**

Water spray, foam, carbon dioxide dry powder.

Specific Product Hazards

Don't burn.

Special protective equipment and special precautions for firefighters

Firefighters should wear a full encapsulating chemical protective suit with positive pressure self-contained breathing apparatus (SCBA).

SECTION 6: ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency measures**

Use personal protective equipment recommended in Section 8 of this safety data sheet. Evacuate the area immediately and isolate the hazard area. Keep unnecessary and unprotected personnel out.

Do not touch damaged containers or spilled material unless wearing appropriate protective equipment. Remove or isolate incompatible materials and other hazardous materials.

Environmental precautions

It is good to prevent releases into the environment. If spill is inside a building, prevent product from entering sewers, ventilation systems and confined areas.

Methods and materials for containment and cleaning up

Contain and absorb spill with absorbent which does not react with spilled material. Contaminated absorbent presents the same hazard as the spilled product. Place used absorbent in appropriate sealed and labeled containers for disposal. After cleaning, rinse off traces with water. Use proper safety equipment.

SECTION 7: HANDLING AND STORAGE**Safe Handling Precautions**

Avoid generating vapor or mists. Use only where ventilation is adequate. Report leaks, spills or equipment failure immediately. In the event of a spill or leak, leave the area immediately. Wear personal protective equipment to avoid direct contact with this chemical. Keep containers tightly closed when not in use. Handle in accordance with good industrial hygiene and safety practice. It is good practice to: avoid breathing the product; avoid contact with skin and eyes and wash hands after handling.

Storage Safety Concerns

Store in a cool, dry, well-ventilated place. Keep container tightly closed and away from materials incompatible. Do not store in unlabeled containers.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits not determined.

Appropriate engineering controls

General ventilation is usually adequate. Use an enclosure with local exhaust ventilation, if available, to control the amount of product in the air. Provide eyewash and emergency shower if there is risk of contact or splashes.

Individual protection measures

Eye and face protection

Wear chemical goggles.

Skin Protection

Chemical resistant clothing, including an apron and gloves, is recommended. Skin contact should be minimized by wearing appropriate long-sleeved clothing (shirt and pants, coveralls). Consideration should be given to durability as well as permeation resistance. Remove contaminated clothing and wash before use.

Respiratory Protection

Shouldn't be a problem under normal use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Basic physical and chemical properties

Appearance: Clear colorless liquid. Particle size: Not available

Odor: Odorless

Odor threshold	Not available
pH	7.20 - 7.70
Melting Point/Freezing Point	Not available (melt); Not available (freezing)
Initial boiling point and boiling range	
Flash point	> 100 °C
Evaporation rate	> 100 °C (in closed container)
Upper/lower flammability or explosive limits	Not available
Vapor pressure	Not available (higher); Not available (lower)
Vapor density	
Relative density (water = 1)	
Solubility	
Decomposition temperature	Not available
Other information Physical state	Not available
Molecular formula	1.095
Molecular weight	Soluble. in water; Not available (in other liquids)
Bulk density	Not available
Electrical conductivity	Liquid
	Not available
	Not available
	Not available
	Not available

SECTION 10: STABILITY AND REACTIVITY

Chemical stability

Usually stable.

Risk of hazardous reactions

Hazardous polymerization will not occur.

Incompatible materials

Strong oxidizing agents (eg perchloric acid).

Hazardous decomposition products

Oxides of carbon and nitrogen.

SECTION 11: TOXICOLOGICAL INFORMATION

No LD50 or LC50 data is available.

Skin Corrosion/Irritation

Should not be a problem under normal use. Liquid may cause irritation. Due to the pH of the product, the corrosive properties of the individual components are not present.

Serious eye damage/eye irritation

Should not be a problem under normal use. Liquid may cause irritation. Due to the pH of the product, the corrosive properties of the individual components are not present.

Specific Target Organ Toxicity - Single Exposure

Inhalation

Shouldn't be a problem under normal conditions. Due to the pH of the mixture, the individual components have been rendered non-volatile. Inhalation unlikely.

Ingestion

Due to the pH of the product, the corrosive properties of the individual components are not present. No significant adverse effects with normal use.

Carcinogenicity

No carcinogenicity data listed/designated.

No data was collected on: Aspiration hazard, Specific target organ toxicity - Repeated exposure, Respiratory or skin sensitization, Development of offspring, Sexual function and fertility, Germ cell mutagenicity, Interaction effects

SECTION 12: ECOLOGICAL DATA

No ecotoxicity or environmental data available.

SECTION 13: DISPOSAL DATA

Disposal methods

Contact local environmental authorities for disposal or recycling methods approved for your jurisdiction.

SECTION 14: TRANSPORT INFORMATION

Not governed by the Canadian Transportation of Dangerous Goods Regulations.

Special precautions Not applicable

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

Not applicable

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations Canada

Classification SIMDUT 1988

Category D2B

D2B - Toxic material (Skin irritation; Eye irritation)



This product has been listed in accordance with the hazard criteria established by the Controlled Products Regulations and the SDS contains all of the information required by the Controlled Products Regulations.

Domestic Substances List (DSL)/External Substances List (NDSL)

All ingredients are listed on the Domestic Substances List (DSL) or are exempt from declaration.

SECTION 16: OTHER INFORMATION

SDS prepared by

Prairie Mud Service

Phone number

(306) 634-3411

Preparation date

September 04, 2018

Notice

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