



## DrisTROL™ Fluid Loss Additive

Version 1.2

Revision Date 2023-10-18

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### Product information

Product Name : DrisTROL™ Fluid Loss Additive  
 Material : 1120081, 1127131, 1109275

Use : Fluid loss additive

Company : Chevron Phillips Chemical Company LP  
 Drilling Specialties Company LLC  
 10001 Six Pines Drive  
 The Woodlands, TX 77380

#### Emergency telephone:

##### Health:

866.442.9628 (North America)

1.832.813.4984 (International)

##### Transport:

CHEMTREC 800.424.9300 or 703.527.3887(int'l)

Asia: CHEMWATCH (+612 9186 1132) China: 0532 8388 9090

Mexico CHEMTREC 01-800-681-9531 (24 hours)

South America SOS-Cotec Inside Brazil: 0800.111.767 Outside Brazil: +55.19.3467.1600

Argentina: +(54)-1159839431

EUROPE: BIG +32.14.584545 (phone) or +32.14583516 (telefax)

Austria: VIZ +43 1 406 43 43 (24 hours/day, 7 days/week)

Belgium: 070 245 245 (24 hours/day, 7 days/week)

Bulgaria: +359 2 9154 233

Croatia: +3851 2348 342 (24 hours/day, 7 days/week)

Cyprus: 1401

Czech Republic: Toxicological Information Center +420 224 919 293, +420 224 915 402

Denmark: Danish Poison Center (Gifflinjen): +45 8212 1212

Estonia: BIG +32.14.584545 (phone) or +32.14583516 (telefax)

Finland: 0800 147 111 09 471 977 (24 hours/day)

France: ORFILA number (INRS): + 33 (0) 1 45 42 59 59 (24 hours/day, 7 days/week)

Germany: BIG +32.14.584545 (phone) or +32.14583516 (telefax)

Greece: (0030) 2107793777 (24 hours/day, 7 days/week)

Hungary: +36-80-201-199 (24 hours/day, 7 days/week)

Iceland: 543 2222 (24 hours/day, 7 days/week)

Ireland: BIG +32.14.584545 (phone) or +32.14583516 (telefax)

Italy: BIG +32.14.584545 (phone) or +32.14583516 (telefax)

Latvia: State Fire and Rescue Service, phone number: 112; Toxicology and Sepsis Clinic

Poisoning and Drug Information Center, Hipokrāta 2, Riga, Latvia, LV-1038, phone number +371 67042473. (24 hours.)

Liechtenstein: BIG +32.14.584545 (phone) or +32.14583516 (telefax)

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Lithuania: +370 (85) 2362052  
 Luxembourg: (+352) 8002 5500 (24 hours/day, 7 days/week)  
 Malta: +356 2395 2000  
 The Netherlands: NVIC: +31 (0)88 755 8000  
 Norway: 22 59 13 00 (24 hours/day, 7 days/week)  
 Poland: BIG +32.14.584545 (phone) or +32.14583516 (telefax)  
 Portugal: CIAV phone number: +351 800 250 250  
 Romania: +40213183606  
 Slovakia: +421 2 5477 4166  
 Slovenia: Phone number: 112  
 Spain: National Emergency Telephone Number of Spanish Poison Centre: +34 91 562 04 20 (24 hours/day, 7 days/week)  
 Sweden: 112 – ask for Poisons Information

Responsible Department : Product Safety and Toxicology Group  
 E-mail address : SDS@CPChem.com  
 Website : www.CPChem.com

**SECTION 2: Hazards identification****Classification of the substance or mixture**

This product has been classified in accordance with the hazard communication standard 29 CFR 1910.1200; the SDS and labels contain all the information as required by the standard.

**Classification**

: Carcinogenicity, Category 1A

**Labeling**

Symbol(s) :



Signal Word :

: Danger

Hazard Statements :

: H350: May cause cancer.

Precautionary Statements :

**Prevention:**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**

P308 + P313 IF exposed or concerned: Get medical advice/ attention.

**Storage:**

P405 Store locked up.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Carcinogenicity:**

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|             |                                 |
|-------------|---------------------------------|
| <b>IARC</b> | Group 1: Carcinogenic to humans |
|             | Crystalline Silica 14808-60-7   |
| <b>NTP</b>  | Known to be human carcinogen    |
|             | Crystalline Silica 14808-60-7   |

**SECTION 3: Composition/information on ingredients**

|                   |   |         |
|-------------------|---|---------|
| Synonyms          | : | None    |
| Molecular formula | : | Mixture |

| Component                        | CAS-No.     | Weight % |
|----------------------------------|-------------|----------|
| Finely ground inorganic material | Proprietary | 65       |
| Crystalline Silica               | 14808-60-7  | 0.5 - 1  |

**SECTION 4: First aid measures**

|                        |   |   |
|------------------------|---|---|
| General advice         | : | Move out of dangerous area. Show this material safety data sheet to the doctor in attendance.   |
| If inhaled             | : | If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.  |
| In case of eye contact | : | Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.   |
| If swallowed           | : | Induce vomiting immediately and call a physician. Keep respiratory tract clear. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital. |

**SECTION 5: Firefighting measures**

|  |   |  |
|--|---|--|
| Flash point                                    | : | Not applicable   |
| Autoignition temperature                       | : | No data available  |
| Unsuitable extinguishing media                 | : | High volume water jet.   |
| Specific hazards during fire fighting          | : | Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| Special protective equipment for fire-fighters | : | Wear self-contained breathing apparatus for firefighting if necessary.   |
| Further information                            | : | Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the                          |

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surrounding environment.

Fire and explosion protection : Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.

**SECTION 6: Accidental release measures**

Personal precautions : Use personal protective equipment. Avoid dust formation. Avoid breathing dust.

Environmental precautions : Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

Methods for cleaning up : Keep in suitable, closed containers for disposal.

**SECTION 7: Handling and storage****Handling**

Advice on safe handling : Avoid formation of respirable particles. Do not breathe vapors/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations.

Advice on protection against fire and explosion : Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.

**Storage**

Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

Use : Fluid loss additive

**SECTION 8: Exposure controls/personal protection****Ingredients with workplace control parameters****US**

| Components                       | Basis      | Value | Control parameters              | Note                              |
|----------------------------------|------------|-------|---------------------------------|-----------------------------------|
| Finely ground inorganic material | NIOSH REL  | TWA   | 5 mg/m3                         | Respirable                        |
|                                  | NIOSH REL  | TWA   | 10 mg/m3                        | total                             |
| Crystalline Silica               | OSHA Z-3   | TWA   | 250mppcf / %SiO <sub>2</sub> +5 | respirable                        |
|                                  | OSHA Z-3   | TWA   | 10mg/m3 / %SiO <sub>2</sub> +2  | respirable                        |
|                                  | OSHA Z-3   | TWA   | 0.1 mg/m3                       | Respirable fraction               |
|                                  | OSHA Z-1-A | TWA   | 0.1 mg/m3                       | respirable dust fraction          |
|                                  | ACGIH      | TWA   | 0.025 mg/m3                     | A2, Respirable particulate matter |
|                                  | OSHA Z-1   | TWA   | 0.05 mg/m3                      | Respirable fraction               |
|                                  | OSHA Z-1   | TWA   | 0.05 mg/m3                      | (respirable dust)                 |
|                                  | OSHA CARC  | PEL   | 0.05 mg/m3                      | respirable                        |

A2 Suspected human carcinogen

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**Immediately Dangerous to Life or Health Concentrations (IDLH)**

| Substance name     | CAS-No.    | Control parameters   | Update     |
|--------------------|------------|--|------------|
| Crystalline Silica | 14808-60-7 | Immediately Dangerous to Life or Health<br>Concentration Value<br>50 mg/m <sup>3</sup> | 1995-03-01 |

**Engineering measures**

Adequate ventilation to control airborne concentrations below the exposure guidelines/limits. Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

**Personal protective equipment**

- Respiratory protection : If ventilation or other engineering controls are not adequate to maintain minimal oxygen content of 19.5% by volume under normal atmospheric pressure, a supplied-air NIOSH approved respirator may be appropriate. If exposure to harmful levels of airborne material may occur, a NIOSH approved respirator that provides protection may be appropriate, such as: Air-Purifying Respirator for Dusts and Mists / P100. A positive pressure, air-supplying respirator may be appropriate if there is potential for uncontrolled release, aerosolization, exposure levels are not known, or other circumstances where air-purifying respirators may not provide adequate protection.
- Hand protection : The suitability for a specific workplace should be discussed with the producers of the protective gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
- Eye protection : Eye wash bottle with pure water. Safety glasses.
- Skin and body protection : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. Wear as appropriate: Protective suit. Safety shoes.
- Hygiene measures : When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

**SECTION 9: Physical and chemical properties****Information on basic physical and chemical properties****Appearance**

- Form : Powder  
Physical state : solid  
Color : White

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**Safety data**

|  |                               |
|--|-------------------------------|
| Flash point                            | : Not applicable              |
| Lower explosion limit                  | : No data available           |
| Upper explosion limit                  | : No data available           |
| Oxidizing properties                   | : no                          |
| Autoignition temperature               | : No data available           |
| Molecular formula                      | : Mixture                     |
| Molecular weight                       | : Not applicable              |
| pH                                     | : Not applicable              |
| Freezing point                         | : No data available           |
| Pour point                             | No data available             |
| Boiling point/boiling range            | : No data available           |
| Vapor pressure                         | : No data available           |
| Relative density                       | : 1.5<br>at 15.6 °C (60.1 °F) |
| Water solubility                       | : Insoluble                   |
| Partition coefficient: n-octanol/water | : No data available           |
| Viscosity, kinematic                   | : No data available           |
| Relative vapor density                 | : No data available           |
| Evaporation rate                       | : No data available           |

**SECTION 10: Stability and reactivity**

**Reactivity** : Stable at normal ambient temperature and pressure.

**Chemical stability** : This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

**Possibility of hazardous reactions**

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|                            |  |
|----------------------------|--|
| <b>Hazardous reactions</b> | : Further information: No decomposition if stored and applied as directed. |
| <b>Conditions to avoid</b> | : No data available.   |
| <b>Materials to avoid</b>  | : No data available.   |
| <b>Other data</b>          | : No decomposition if stored and applied as directed.                      |

**SECTION 11: Toxicological information****Acute oral toxicity**

Finely ground inorganic material : LD50: 6,450 mg/kg  
Species: Rat

**CMR effects**

Crystalline Silica : Carcinogenicity: Human carcinogen.

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**Further information** : May cause cancer. Product dust may be irritating to eyes, skin and respiratory system.  
No data available.

**SECTION 12: Ecological information****Ecotoxicity effects**

**Toxicity to fish** : This material is not expected to be harmful to aquatic organisms.

**Toxicity to daphnia and other aquatic invertebrates** : This material is not expected to be harmful to aquatic organisms.

**Toxicity to algae** : This material is not expected to be harmful to aquatic organisms.

Biodegradability : Taking into consideration the properties of several ingredients, the product is estimated not to be readily biodegradable according to OECD classification.

Elimination information (persistence and degradability)

Bioaccumulation : This material is not expected to bioaccumulate.

Mobility : No data available

Additional ecological : This material is not expected to be harmful to aquatic

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information organisms.  
No data available

**Ecotoxicology Assessment**

Short-term (acute) aquatic hazard : This material is not expected to be harmful to aquatic organisms.

Long-term (chronic) aquatic hazard : This material is not expected to be harmful to aquatic organisms.

**SECTION 13: Disposal considerations**

The information in this SDS pertains only to the product as shipped.

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by US EPA under RCRA (40 CFR 261) or other State and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste, federal law requires disposal at a licensed hazardous waste disposal facility.

Product : Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Send to a licensed waste management company.

Contaminated packaging : Empty remaining contents. Dispose of as unused product. Do not re-use empty containers.

**SECTION 14: Transport information**

**The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments in non-bulk packages (see regulatory definition).**

Consult the appropriate domestic or international mode-specific and quantity-specific Dangerous Goods Regulations for additional shipping description requirements (e.g., technical name or names, etc.) Therefore, the information shown here, may not always agree with the bill of lading shipping description for the material. Flashpoints for the material may vary slightly between the SDS and the bill of lading.

**US DOT (UNITED STATES DEPARTMENT OF TRANSPORTATION)**

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

**IMO / IMDG (INTERNATIONAL MARITIME DANGEROUS GOODS)**

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

**IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION)**

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

**ADR (AGREEMENT ON DANGEROUS GOODS BY ROAD (EUROPE))**



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NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

**RID (REGULATIONS CONCERNING THE INTERNATIONAL TRANSPORT OF DANGEROUS GOODS (EUROPE))**

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

**ADN (EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY INLAND WATERWAYS)**

NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

**Maritime transport in bulk according to IMO instruments**

**SECTION 15: Regulatory information****National legislation**

**SARA 311/312 Hazards** : Carcinogenicity

CERCLA Reportable Quantity : This material does not contain any components with a CERCLA RQ.

SARA 302 Reportable Quantity : This material does not contain any components with a SARA 302 RQ.

SARA 302 Threshold Planning Quantity : This material does not contain any components with a section 302 EHS TPQ.

SARA 304 Reportable Quantity : This material does not contain any components with a section 304 EHS RQ.

SARA 313 Components : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Clean Air Act**

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Ozone-Depletion Potential : This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 112 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM Intermediate or Final VOC's (40 CFR 60.489).

California Prop. 65 Components : WARNING! This product contains a chemical known in the State of California to cause cancer.  
Crystalline Silica 14808-60-7

**Notification status**

Europe REACH : This mixture contains only ingredients which have been registered according to Regulation (EU) No. 1907/2006 (REACH).

Switzerland CH INV : Not in compliance with the inventory

United States of America (USA) TSCA : On or in compliance with the active portion of the TSCA inventory

Canada DSL : All components of this product are on the Canadian DSL

Australia AIIC : On the inventory, or in compliance with the inventory

New Zealand NZIoC : Not in compliance with the inventory

Japan ENCS : On the inventory, or in compliance with the inventory

Korea KECI : A substance(s) in this product was not registered, notified to be registered, or exempted from registration by CPChem according to K-REACH regulations. Importation or manufacture of this product is still permitted provided the Korean Importer of Record has themselves notified the substance or the exported amount does not exceed the minimum threshold quantity of the non-registered substance(s).

Philippines PICCS : On the inventory, or in compliance with the inventory

Taiwan TCSI : On the inventory, or in compliance with the inventory

China IECSC : On the inventory, or in compliance with the inventory

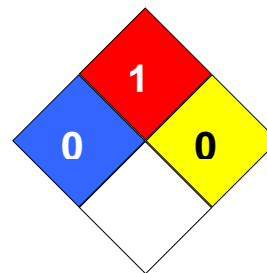
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**SECTION 16: Other information**

**NFPA Classification** : Health Hazard: 0  
Fire Hazard: 1  
Reactivity Hazard: 0

**Further information**

Significant changes since the last version are highlighted in the margin. This version replaces all previous versions.

The information in this SDS pertains only to the product as shipped.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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

|        |  |       |   |
|--------|--|-------|---|
| ACGIH  | American Conference of Government Industrial Hygienists  | LD50  | Lethal Dose 50%   |
| AiIC   | Australian Inventory of Industrial Chemicals             | LOAEL | Lowest Observed Adverse Effect Level                            |
| DSL    | Canada, Domestic Substances List                         | NFPA  | National Fire Protection Agency                                 |
| NDSL   | Canada, Non-Domestic Substances List                     | NIOSH | National Institute for Occupational Safety & Health             |
| CNS    | Central Nervous System                                   | NTP   | National Toxicology Program                                     |
| CAS    | Chemical Abstract Service                                | NZIoC | New Zealand Inventory of Chemicals                              |
| EC50   | Effective Concentration                                  | NOAEL | No Observable Adverse Effect Level                              |
| EC50   | Effective Concentration 50%                              | NOEC  | No Observed Effect Concentration                                |
| EGEST  | EOSCA Generic Exposure Scenario Tool                     | OSHA  | Occupational Safety & Health Administration                     |
| EOSCA  | European Oilfield Specialty Chemicals Association        | PEL   | Permissible Exposure Limit                                      |
| EINECS | European Inventory of Existing Chemical Substances       | PICCS | Philippines Inventory of Commercial Chemical Substances         |
| MAK    | Germany Maximum Concentration Values                     | PRNT  | Presumed Not Toxic  |
| GHS    | Globally Harmonized System                               | RCRA  | Resource Conservation Recovery Act                              |
| >=     | Greater Than or Equal To                                 | STEL  | Short-term Exposure Limit                                       |
| IC50   | Inhibition Concentration 50%                             | SARA  | Superfund Amendments and Reauthorization Act.                   |
| IARC   | International Agency for Research on Cancer              | TLV   | Threshold Limit Value   |
| IECSC  | Inventory of Existing Chemical Substances in China       | TWA   | Time Weighted Average   |
| ENCS   | Japan, Inventory of Existing and New Chemical Substances | TSCA  | Toxic Substance Control Act                                     |
| KECI   | Korea, Existing Chemical Inventory                       | UVCB  | Unknown or Variable Composition, Complex Reaction Products, and |

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|      |                          |       |  |
|------|--------------------------|-------|--|
|      |                          |       | Biological Materials                             |
| <=   | Less Than or Equal To    | WHMIS | Workplace Hazardous Materials Information System |
| LC50 | Lethal Concentration 50% | ATE   | Acute toxicity estimate                          |