



Safety Data Sheet POLY-FORCE LV

1. Identification

1.1 Product identifier

Product name POLY-FORCE LV

Product code PID5081



1.2 Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Fluid loss reducer.

Uses advised against Consumer use

1.3 Details of the supplier of the safety data sheet

Supplier
RTS,LLC
204 SE Ninth Street
Pella, Iowa 50219
www.rightturnsupply.com
Telephone: 641-204-0205

E-mail address info@rightturnsupply.com

Prepared by
Global Regulatory Compliance - Chemicals (GRC - Chemicals)

1.4 Emergency Telephone Number

CHEMTREC (USA)
24 HOUR EMERGENCY TELEPHONE NUMBER
Customer Service: NorthStar Fluid Solutions

(800) 424-9300
International +1-703-527-3887
(281) 413-1939

2. Hazards Identification

2.1 Classification of the substance or mixture

GHS - Classification

Health hazards Not classified

Environmental hazards Not classified

Physical Hazards

| | |
|------------------|---|
| Combustible dust | - |
|------------------|---|

2.2 Label elements**Signal word**

WARNING

Hazard Statements

May form combustible dust concentrations in air

Precautionary Statements

P240 - Ground/bond container and receiving equipment

P241 - Use explosion-proof electrical, ventilating, lighting, equipment

P243 - Take precautionary measures against static discharge

Unknown acute toxicity

Not applicable.

3. Composition/information on Ingredients**3.1 Substances**

Not applicable

3.2 Mixtures

| Chemical Name | CAS No | Weight-% |
|------------------------------|-------------|----------|
| Anionic acrylamide copolymer | Proprietary | 60-100 |

Comments

Proprietary component(s) in section 3 of this SDS does not/do not trigger application of trade secret exemption under Hazardous Materials Information Review Act (HMIRA). The proprietary component in this product contributes to combustible dust classification. The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First Aid Measures**4.1 First aid measures****Inhalation**

If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

Ingestion

Rinse mouth. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur. Seek medical attention if irritation occurs.

Skin contact

Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Get medical attention immediately if symptoms occur.

Eye Contact

Remove contact lenses, if worn. Promptly wash eyes with lots of water while lifting eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

General advice The severity of the symptoms described will vary dependant of the concentration and the length of exposure. If adverse symptoms develop, the casualty should be transferred to hospital as soon as possible.

Symptoms

Inhalation Please see Section 11. Toxicological Information for further information.

Ingestion Please see Section 11. Toxicological Information for further information.

Skin contact Please see Section 11. Toxicological Information for further information.

Eye contact Please see Section 11. Toxicological Information for further information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician Treat symptomatically

5. Fire-Fighting Measures

5.1 Extinguishing media**Suitable extinguishing media**

Water Fog, Alcohol Foam, CO₂, Dry Chemical.

Extinguishing media which must not be used for safety reasons

None known.

5.2. Special hazards arising from the substance or mixture**Unusual fire and explosion hazards**

Suspended dust may present a dust explosion hazard.

Hazardous combustion products

Carbon oxides (CO_x).

5.3 Advice for firefighters**Special Fire-Fighting Procedures**

Containers close to fire should be removed immediately or cooled with water.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment identified in Section 8. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Evacuate and ventilate the area. Prevent further leakage or spillage if safe to do so.

Advice for non-emergency responders

Evacuate non-essential personnel.

Advice for emergency responders

Evacuate personnel to safe areas. Use non-slip safety shoes in areas where spills or leaks can occur. Wear respiratory protection. Keep people away from and upwind of spill/leak.

6.2 Environmental precautions

The product should not be allowed to enter drains, water courses or the soil.

Environmental exposure controls

Avoid release to the environment. Local authorities should be advised if significant spillages cannot be contained.

6.3 Methods and material for containment and cleaning up**Methods for containment**

Prevent further leakage or spillage if safe to do so. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry.

Methods for cleaning up

Sweep up and shovel into suitable containers for disposal. Take precautionary measures against static discharges. Avoid dust formation. Powdered material may form explosive dust-air mixtures. Use non-sparking tools and equipment.

6.4 Reference to other sections

See section 13 for more information.

7. Handling and Storage**7.1 Precautions for safe handling****Handling**

Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin and eyes. Avoid dust formation. Fine dust dispersed in air may ignite. Avoid breathing dust; if exposed to high dust concentration, leave area immediately. Take precautionary measures against static discharges.

Hygiene measures

Use good work and personal hygiene practices to avoid exposure. When using do not smoke, eat or drink. Wash hands and face before breaks and immediately after handling the product. Remove contaminated clothing.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures/precautions Ensure adequate ventilation. Provide appropriate exhaust ventilation at places where dust is formed. Keep airborne concentrations below exposure limits.

Storage precautions Keep away from open flames, hot surfaces and sources of ignition. Keep containers tightly closed in a dry, cool and well-ventilated place. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and/or stacking.

8. Exposure Controls/Personal Protection**8.1 Control parameters****Exposure limits**

Control as an ACGIH particulate not otherwise specified (PNOS): 10 mg/m³ (Inhalable); 3 mg/m³ (Respirable) and an OSHA particulate not otherwise regulated (PNOR): 15 mg/m³ (Total); 5 mg/m³ (Respirable).

| Chemical Name | ACGIH TLV | OSHA PEL | Argentina - Occupational Exposure Limits - TWAs (CMPs) | Brazil - Occupational Exposure Limits - TWAs (LTs) | Mexico - Occupational Exposure Limits - TWAs (LMPE-PPTs) |
|------------------------------|----------------|----------------|--|--|--|
| Anionic acrylamide copolymer | Not determined | Not determined | Not determined | Not determined | Not determined |

IDLH (Immediately Dangerous to Life or Health)

Immediately Dangerous to Life or Health (IDLH) is established by the US National Institute for Occupational Safety and Health (NIOSH). The purpose of establishing an IDLH value is to ensure that the worker can escape from a given contaminated environment in the event of failure of the most protective respiratory protection equipment. In the event of failure of respiratory protection equipment every effort should be made to exit immediately.

| Chemical Name | IDLH (Immediately Dangerous to Life or Health) |
|------------------------------|--|
| Anionic acrylamide copolymer | Not applicable |

8.2 Exposure controls

A risk assessment is recommended to be performed by a qualified and trained personnel to analyze the worksite and recommends the appropriate controls such as engineering controls, work practice controls, and administrative controls as primary means of reducing employee exposure. When there is a remaining hazards after applying the primary controls, Personal Protective Equipment (PPE) must be used.

All chemical Personal Protective Equipment (PPE) should be selected based on an assessment of both the chemical hazard present and the risk of exposure to those hazards. The PPE recommendations below are based on an assessment of the chemical hazards associated with this product. Where this product is used in a mixture with other products or fluids, additional hazards may be created and as such further assessment of risk may be required. The risk of exposure and need of respiratory protection will vary from workplace to workplace and should be assessed by the user in each situation.

Engineering Controls

Ensure adequate ventilation.

Personal protective equipment

Eye protection

Tightly fitting safety goggles.

Hand protection

Wear chemical resistant gloves such as nitrile or neoprene.

Respiratory Protection

All respiratory protection equipment should be used within a comprehensive respiratory protection program that meets the requirements of 29 CFR 1910.134 (U.S. OSHA Respiratory Protection Standard) or local equivalent. If exposed to airborne mist/aerosol of this product, use an organic vapor cartridge with a P-95 pre-filter attached. In work environments containing oil mist/aerosol, use an organic vapor cartridge with a P-95 pre-filter attached. If exposed to vapors from this product, use a NIOSH/MSHA-approved respirator with an organic vapor cartridge.

Skin and body protection

Wear suitable protective clothing, Eye wash and emergency shower must be available at the work place.

Hygiene Measures

Wash hands before eating, drinking or smoking, Remove and wash contaminated clothing before re-use.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

| | |
|----------------|--------------------------|
| Physical state | Solid |
| Appearance | Powder Dust |
| Color | Black |
| Odor | No information available |
| Odor threshold | Not applicable |

| Property | Values | Remarks |
|----------------------------|--------------------------|---------|
| pH | No information available | |
| pH @ dilution | No information available | |
| Melting point | 212 °C / 415 °F | |
| Boiling point/range | No information available | |
| Flash point | No information available | |
| Evaporation rate (BuAc =1) | No information available | |
| Flammability | Not applicable | |
| Explosion limits: | | |
| Upper explosion limit | No information available | |
| Lower explosion limit | No information available | |
| Vapor pressure | No information available | |
| Relative Vapor Density | No information available | |

| | | |
|--|--|-------|
| Specific gravity | 1.04 - 1.06 | 20 °C |
| Bulk density | 540 kg/m ³ / ~34 lb/ft ³ | |
| Water solubility | Insoluble in water | |
| Solubility in other solvents | No information available | |
| Autoignition temperature | 500 °C / 932 °F | |
| Decomposition temperature | 288 °C / 550 °F | |
| Kinematic viscosity | No information available | |
| Dynamic viscosity | No information available | |
| Partition Coefficient (n-octanol/water) | No information available | |
| Explosive properties | Suspended dust may present a dust explosion hazard | |
| Oxidizing properties | No information available | |

9.2 Other information

| | |
|---------------------------------|--------------------------|
| Pour point | No information available |
| Molecular weight | No information available |
| VOC content(%) | None |
| Density and/or Relative Density | No information available |

Comments

The data listed above are typical physical and chemical properties and should not be construed as product specification.

10. Stability and Reactivity**10.1 Reactivity**

Dust may form explosive mixture in air.

10.2 Chemical stability

Stable under normal temperature conditions and recommended use.

10.3 Possibility of Hazardous Reactions**Hazardous polymerization**

Hazardous polymerization does not occur.

10.4 Conditions to avoid

Avoid contact with heat, sparks, open flame, and static discharge.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

Carbon oxides (COx).

11. Toxicological Information**11.1 Information on toxicological effects****Acute toxicity**

Inhalation Inhalation of dust may cause shortness of breath, tightness of the chest, a sore throat and cough. May cause irritation of respiratory tract.

Eye contact Dust may cause mechanical irritation.

Skin contact Repeated exposure may cause skin dryness or cracking.

Ingestion

Ingestion may cause stomach discomfort. Irritant; may cause pain or discomfort to mouth, throat and stomach.

Toxicology data for the components

| Chemical Name | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|------------------------------|-------------------|-------------------|-------------------|
| Anionic acrylamide copolymer | No data available | No data available | No data available |

| Chemical Name | IARC Group 1 or 2 | ACGIH - Carcinogens | OSHA listed carcinogens | NTP |
|------------------------------|-------------------|---------------------|-------------------------|-------------------|
| Anionic acrylamide copolymer | No data available | No data available | No data available | No data available |

Delayed and immediate effects and chronic effects from short and long term exposure**Sensitization**

Not classified.

Mutagenic effects

No evidence of mutagenic properties.

Carcinogenicity

No evidence of carcinogenic properties.

Reproductive toxicity

No evidence of toxicity to reproduction.

Developmental toxicity

Not known to cause birth defects or have a deleterious effect on a developing fetus.

Routes of Exposure

Inhalation. Skin contact. Eye contact.

Routes of entry

Inhalation.

Specific target organ toxicity - Single exposure

Not classified

Specific target organ toxicity - Repeated exposure

Not classified.

Target organ effects

Respiratory system.

Aspiration hazard

Not applicable.

12. Ecological Information

12.1 Toxicity

Toxicity to algae

This product is not considered toxic to algae. No product level data available. See component information below.

Toxicity to fish

Not considered toxic to fish. No product level data available. See component information below.

Toxicity to daphnia and other aquatic invertebrates

Not considered toxic. No product level data available. See component information below.

Toxicology data for the components

| Chemical Name | Toxicity to fish | Toxicity to algae | Toxicity to daphnia and other aquatic invertebrates |
|------------------------------|--------------------------|--------------------------|---|
| Anionic acrylamide copolymer | No information available | No information available | No information available |

12.2 Persistence and degradability

Product is biodegradable. No product level data available.

12.3 Bioaccumulative potential

No data available.

12.4 Mobility

The product is water soluble, and may spread in water systems.

12.5 Results of PBT and vPvB assessment

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT)

This preparation contains no substance considered to be very persistent nor very bioaccumulating (vPvB)

12.6 Other adverse effects.

None known.

13. Disposal Considerations

13.1 Waste treatment methods

| | |
|-------------------------------|---|
| Disposal Method | Disposal should be made in accordance with federal, state and local regulations. |
| Contaminated packaging | Empty containers should be taken for local recycling, recovery or waste disposal. |

14. Transport information

14.1. UN number

| | |
|-----------------------------|---------------|
| UN No. (DOT) | Not regulated |
| UN No. (MT/ANTT) | Not regulated |
| UN No. (TDG) | Not regulated |
| UN/ID No. (ADR/RID/ADN/ADG) | Not regulated |
| UN No. (IMDG/ANTAQ) | Not regulated |
| UN No. (ICAO/ANAC) | Not regulated |
| UN No. (DPC) | Not regulated |

14.2. UN proper shipping name

The product is not covered by international regulation on the transport of dangerous goods

14.3 Hazard class(es)

| | |
|---------------------------------|---------------|
| DOT Hazard class | Not regulated |
| ANTT Hazard class | Not regulated |
| TDG Hazard class | Not regulated |
| ADR/RID/ADN/ADG Hazard class | Not regulated |
| IMDG/ANTAQ Hazard class | Not regulated |
| ICAO/ANAC Hazard class/division | Not regulated |
| DPC Hazard class | Not regulated |

14.4 Packing group

| | |
|-------------------------------|---------------|
| DOT Packing group | Not regulated |
| ANTT Packing group | Not regulated |
| TDG Packing group | Not regulated |
| ADR/RID/ADN/ADG Packing group | Not regulated |
| IMDG/ANTAQ Packing group | Not regulated |
| ICAO/ANAC Packing group | Not regulated |
| DPC Packing group | Not regulated |

14.5 Environmental hazard

| | |
|------------------|----|
| Marine pollutant | No |
|------------------|----|

14.6 Special precautions

None

15. Regulatory Information**International inventories**

| | |
|---------------------|----------|
| USA (TSCA) | Complies |
| Canada (DSL) | Complies |
| Philippines (PICCS) | Complies |
| Japan (ENCS) | Complies |
| China (IECSC) | Complies |
| Australia (AICS) | Complies |
| Korean (KECL) | Complies |
| New Zealand (NZIoC) | Complies |

Europe - REACH

All products supplied from the European Economic Area (EEA) are compliant with the REACH Regulation EC 1907/2006. For products supplied from the EEA, Schlumberger and/or its suppliers have pre-registered and is registering all of the substances that it and/or its suppliers manufactures in or imports into the EEA that are subject to Title II of the REACH Regulation. All products supplied from outside the EEA are subject to REACH only if imported into the EEA. The importer of the products must comply with REACH for each imported substance.

U.S. Federal and State Regulations**SARA 311/312 Hazard Categories**

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications. Under the amended regulations at 40 CFR 370, EPCRA 311/312 Tier II reporting for the 2017 calendar year will need to be consistent with updated hazard classifications.

| Chemical Name | SARA 302 / TPQs | SARA 313 | CERCLA RQ |
|------------------------------|-----------------|----------|-----------|
| Anionic acrylamide copolymer | N/A | N/A | N/A |

California Proposition 65

This product does not contain chemical[s] which is [are] known to the State of California to cause cancer, birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Canadian Classification

This Safety Data Sheet has been prepared in compliance with the Hazardous Products Regulations.

16. Other Information**Supersedes date** 19/Feb/2019**Revision date** 03/Feb/2022**Version** 3**HMIS classification**

Health 0

Flammability 1

Physical hazard 0

PPE E

N/A - Not Applicable, N/D - Not Determined.

Disclaimer

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.