



SAFETY DATA SHEET

PolyGuard XP

Section: 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : PolyGuard XP

Other means of identification : N/A

Recommended use : Drilling Fluid Additive

Restrictions on use : None known

Company : Drillchem Drilling Solutions LLC
P.O. Box 132107
Spring, TX 77393

Emergency telephone number : (800) 424-9300 (24 Hours) CHEMTREC

Issuing date : 06/29/2018

Section: 2. HAZARDS IDENTIFICATION

GHS Classification

Flammable liquids : Not classified

Skin irritation : Not classified

Eye irritation : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity - single exposure : Not classified

Aspiration hazard : Not classified

GHS Label element

Hazard pictograms : None

Signal Word : None

Hazard Statements : The mixture does not meet the criteria for classification.

Precautionary Statements : **Prevention:** Observe good industrial hygiene practices.

Response: Wash hands after handling.

Storage: Store away from incompatible materials.

Disposal: Dispose of waste and residues in accordance with local authority requirements.

SAFETY DATA SHEET

PolyGuard XP

Other hazards : Combustible.

Section: 3. COMPOSITION/INFORMATION ON INGREDIENTS

Pure substance/mixture : Mixture

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Concentration: (%)</u>
MINERAL OIL	8042-47-5	50 - < 60
Other components below reportable levels		40 - < 50

Section: 4. FIRST AID MEASURES

In case of eye contact : Rinse with water. Get medical attention if irritation develops and persists.

In case of skin contact : Wash off with soap and water. Get medical attention if irritation develops and persists.

If swallowed : Rinse mouth. Get medical attention if symptoms occur. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

If inhaled : Remove to fresh air. Treat symptomatically. Get medical attention if symptoms occur.

Protection of first-aiders : Move to fresh air. Call a physician if symptoms develop or persist.

Notes to physician : Treat symptomatically.

Most important symptoms and effects, both acute and delayed : Direct contact with eyes may cause temporary irritation.

Section: 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Foam
Dry chemicals
Carbon dioxide (CO₂)

Unsuitable extinguishing media : Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards during firefighting : During fire, gases hazardous to health may be formed.

Hazardous combustion products : Combustible. No unusual fire or explosion hazards noted.

SAFETY DATA SHEET

PolyGuard XP

- Special protective equipment for firefighters : Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
- Specific extinguishing methods : Use standard firefighting procedures and consider the hazards of other involved materials.

Section: 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Keep unnecessary personnel away. For personal protection, see section 8 of the SDS.
- Environmental precautions : Avoid discharge into drains, water courses or onto the ground.
- Methods and materials for containment and cleaning up : Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.
- Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
- Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

Section: 7. HANDLING AND STORAGE

- Advice on safe handling : Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. Use only in well-ventilated areas.
- Conditions for safe storage : Keep away from heat and sources of ignition. Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).
- Suitable material : No data available
- Unsuitable material : No data available

Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	Type	Value	Form
MINERAL OIL (CAS 8042-47-5)	PEL	5 mg/m3	Mist.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
MINERAL OIL (CAS 8042-47-5)	TWA	5 mg/m3	Inhalable fraction.

SAFETY DATA SHEET

PolyGuard XP

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
MINERAL OIL (CAS 8042-47-5)	STEL	10 mg/m ³	Mist.
	TWA	5 mg/m ³	Mist.

Engineering measures : Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level

Personal protective equipment

Eye protection : Wear safety glasses with side shields (or goggles).
Safety goggles
Face-shield

Hand protection : Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

Skin protection : Wear suitable protective clothing.
Wear appropriate thermal protective clothing, when necessary.

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.

Hygiene measures : Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section: 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Thick liquid

Colour : Tan

Odour : Hydrocarbon-like.

Flash point : 200.0 °F (93.3 °C) estimated

pH : 6 - 8

Odour Threshold : no data available

Melting point/freezing point : no data available

Initial boiling point and boiling range : > 400 °F (> 204.44 °C)

SAFETY DATA SHEET

PolyGuard XP

Evaporation rate	:	no data available
Flammability (solid, gas)	:	Combustible IIIB estimated
Upper explosion limit	:	no data available
Lower explosion limit	:	no data available
Vapour pressure	:	no data available
Relative vapour density	:	no data available
Relative density	:	no data available
Density	:	0.87 g/cm ³ estimated
Water solubility	:	no data available
Solubility in other solvents	:	no data available
Partition coefficient: n-octanol/water	:	no data available
Auto-ignition temperature	:	500 °F (260 °C) estimated
Thermal decomposition temperature	:	no data available
Viscosity, dynamic	:	no data available
Viscosity, kinematic	:	no data available
Molecular weight	:	no data available
Specific gravity	:	1.03

Section: 10. STABILITY AND REACTIVITY

Chemical stability	:	Material is stable under normal conditions.
Possibility of hazardous reactions	:	No dangerous reaction known under conditions of normal use.
Conditions to avoid	:	Contact with incompatible materials.
Incompatible materials	:	Strong oxidizing agents.
Hazardous decomposition products	:	No hazardous decomposition products are known

Section: 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

Potential Health Effects

SAFETY DATA SHEET

PolyGuard XP

- Eyes : Direct contact with eyes may cause temporary irritation.
- Skin : No adverse effects due to skin contact are expected.
- Ingestion : Expected to be a low ingestion hazard.
- Inhalation : Prolonged inhalation may be harmful.

Experience with human exposure

- Eye contact : Direct contact with eyes may cause temporary irritation.
- Skin contact : Prolonged skin contact may cause temporary irritation.
- Ingestion : No data available.
- Inhalation : Not a respiratory sensitizer.

Toxicity

Product

- Acute oral toxicity : No data available
- Acute inhalation toxicity : No data available
- Acute dermal toxicity : No data available
- Skin corrosion/irritation : Prolonged skin contact may cause temporary irritation.
- Serious eye damage/eye irritation : Direct contact with eyes may cause temporary irritation.
- Respiratory or skin sensitization : Not a respiratory sensitizer. This product is not expected to cause skin sensitization.

Carcinogenicity

IARC
Not listed.

OSHA
Not regulated.

NTP
Not listed.

- Reproductive effects : This product is not expected to cause reproductive or developmental effects.
- Germ cell mutagenicity : Not classified

SAFETY DATA SHEET

PolyGuard XP

Teratogenicity : Not classified
STOT - single exposure : Not classified
STOT - repeated exposure : Not classified
Aspiration toxicity : Not an aspiration hazard.
Chronic effects : Prolonged inhalation may be harmful.

Section: 12. ECOLOGICAL INFORMATION

Ecotoxicity

Environmental Effects : The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Persistence and degradability no data available

Mobility: no data available

Bioaccumulative potential: no data available

Other information

No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

Section: 13. DISPOSAL CONSIDERATIONS

Disposal methods : Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose in accordance with all applicable regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging : Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section: 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT):

SAFETY DATA SHEET

PolyGuard XP

Not regulated as dangerous goods.

Air transport (IATA)

Not regulated as dangerous goods

Sea transport (IMDG/IMO)

Not regulated as dangerous goods

Section: 15. REGULATORY INFORMATION

This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA list : Not regulated.

EPCRA - Emergency Planning and Community Right-to-Know Act: Not listed.

CERCLA Reportable Quantity: Not listed.

SARA 304 Extremely Hazardous Substances Reportable Quantity: Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910. 1001-1050): Not regulated.

US. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification (40 CFR 707, Subpart D):
Not regulated.

1986 (SARA) Hazard categories Immediate Hazard - No
Delayed Hazard - No
Fire Hazard -
No Pressure
Hazard - No
Reactivity
Hazard – No

SARA 302 Extremely hazardous substance: Not listed.

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List: Not listed.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): Not listed.

Safe Drinking Water Act: Not regulated.

US STATE REGULATION:

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100): Not listed

SAFETY DATA SHEET

PolyGuard XP

US. Massachusetts RTK - Substance List: Mineral Oil (CAS 8042-47-5)

US. Pennsylvania Worker and Community Right-to-Know Law: Mineral Oil (CAS 8042-47-5)

INTERNATIONAL CHEMICAL CONTROL LAWS :

United States TSCA Inventory: On TSCA Inventory

Canadian Domestic Substances List (DSL): On DSL Inventory

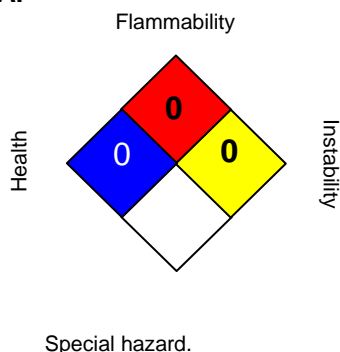
Australia. Industrial Chemical (Notification and Assessment) Act: On AICS Inventory

New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand: On New Zealand Inventory

China Inventory of Existing Chemical Substances: On IECSC Inventory

Section: 16. OTHER INFORMATION

NFPA:



HMIS III:

HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0

0 = not significant, 1 =Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Revision Date : 06/29/2018
Version Number : 1.0

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.