



CHEM GROUP

Safety Data Sheet Polylube 8

SECTION 1: Identification

1.1 GHS Product identifier

Product name	Polylube 8
Brand	Chem Group

1.3 Recommended use of the chemical and restrictions on use Drilling fluid

1.4 Supplier's details

Name	Chem Group
Address	2406 Lynch Road Evansville IN 47711 USA
Telephone	8127598354
email	kelder@chemgroupus.com

1.5 Emergency phone number

1-800-424-9300 Chemtrec

SECTION 2: Hazard identification

General hazard statement

May cause eye damage or irritation without flushing
May cause irritation of skin through defatting of tissue

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200, 2024)

- Eye damage/irritation, Cat. 1
- Skin corrosion/irritation, Cat. 3

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2.2 GHS label elements, including precautionary statements

Pictograms



Signal word

Danger

Hazard statement(s)

H316

Causes mild skin irritation

H318

Causes serious eye damage

Precautionary statement(s)

P280

Wear eye protection/face protection.

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P310

Immediately call a POISON CENTER/doctor/...

P332+P313

If skin irritation occurs: Get medical advice/attention.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. Petroleum distillates mixtures

Concentration

50 - 50 % (volume)

CAS no.

64741-59-9

2. Alcohols, C12-16, ethoxylated

Concentration

5 - 5 % (volume)

EC no.

500-221-7

CAS no.

68551-12-2

- Skin corrosion/irritation, Cat. 2

- Eye damage/irritation, Cat. 1

- Hazardous to the aquatic environment, short-term (acute), Cat. 1

3. hydrotreated kerosene

Concentration

20 - 20 % (volume)

CAS no.

64742-47-8

4. Tall oil fatty acid, L-5

Concentration

20 - 20 % (volume)

CAS no.

61790-12-3

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5. Ester alcohol

Concentration

5 - 5 % (volume)

CAS no.

25265-77-4

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice

Provide this SDS to medical personnel for treatment.

If inhaled

IF INHALED: Vapors are Central Nervous System Depressants. Prolonged exposure to high concentrations may cause headache, nausea, vomiting, or disorientation. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician.

In case of skin contact

IF ON SKIN: Wash with plenty of water and soap. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention.

In case of eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention

If swallowed

Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician immediately.

4.2 Most important symptoms/effects, acute and delayed

May cause eye, skin and respiratory tract irritation. Can cause allergic response in susceptible or hypersensitive individuals upon repeated or prolonged exposure

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician: May be irritating to skin in some sensitive individuals, especially after prolonged and/or repeated contact

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media

Regular foam or carbon dioxide or dry chemical

5.2 Specific hazards arising from the chemical

Dangerous gases or fumes may occur in case of fire. Avoid sparks, welding and cutting on or near drums (or its residue) because product (or its residue) can ignite explosively
Products of combustion include oxides of carbon

5.3 Special protective actions for fire-fighters

Wear self contained breathing apparatus for fire fighting if necessary. Use standard firefighting procedures and consider the

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hazards of other involved materials. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water may be used to cool closed containers to prevent pressure buildups and possible ignition or explosion when exposed to extreme heat. Do not allow run-off from fire-fighting to enter drains or water courses. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area)

6.2 Environmental precautions

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. Collect spillage. See Section 12 for additional Ecological Information

6.3 Methods and materials for containment and cleaning up

Methods for Containment- Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up- Dike far ahead of liquid spill for later disposal. Absorb with inert material or sweep up, and then place in suitable container for chemical waste.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Do not handle until all safety precautions have been read and understood. Wash face, hands and any exposed skin thoroughly after handling.

Use personal protection recommended in Section 8.

Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin, eyes or clothing. Contaminated work clothing must not be allowed out of the workplace.

7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions- Keep container tightly closed and store in a cool, dry and well-ventilated place.

Incompatible Materials- Strong oxidizing agents

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

1. Petroleum distillates mixtures (CAS: 64741-59-9)

TWA (Inhalation): 350mg/m³ (NIOSH)

2. Alcohols, C12-16, ethoxylated (CAS: 68551-12-2)

none established

3. hydrotreated kerosene (CAS: 64742-47-8)

none established

4. Tall oil fatty acid, L-5 (CAS: 61790-12-3)

none established

8.2 Appropriate engineering controls

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Maintain eye wash fountain and quick-drench facilities in work area.

Maintain adequate ventilation

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

safety goggles or face shield

Skin protection

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact

Body protection

General Hygiene Considerations- Avoid contact with skin, eyes and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take first aid action shown on section 4 of this SDS. Launder contaminated clothing before reuse

Respiratory protection

In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment.

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Physical state	Liquid
Appearance	dark
Color	dark brown
Odor	hydrocarbon
Odor threshold	No data available.
Melting point/freezing point	No data available.
Boiling point or initial boiling point and boiling range	> 176C/350F
Flammability	ignitable
Lower and upper explosion limit/flammability limit	No data available.
Flash point	285F
Explosive properties	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Oxidizing properties	none
pH	4.3
Kinematic viscosity	No data available.
Solubility	partially
Partition coefficient n-octanol/water (log value)	No data available.
Vapor pressure	< 1mm Hg @20C/68F
Evaporation rate	No data available.
Density and/or relative density	0.935
Relative vapor density	>1.0
Particle characteristics	No data available.

Supplemental information regarding physical hazard classes

No data available.

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Further safety characteristics (supplemental)

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Not reactive under normal conditions.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

None under normal processing.

Hazardous Polymerization- Hazardous polymerization does not occur

10.4 Conditions to avoid

Ignition sources

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

Carbon monoxide, aromatics, and other hydrocarbons

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity

Vapors are Central Nervous System Depressants. Prolonged exposure to high concentrations may cause headache, nausea, vomiting, or disorientation.

Skin corrosion/irritation

May cause an allergic skin reaction. Prolonged or repeated contact may cause moderate irritation, defatting, dermatitis

Serious eye damage/irritation

Moderately irritating to the eyes

Respiratory or skin sensitization

Avoid breathing vapors or mists

Germ cell mutagenicity

No data available.

Carcinogenicity

Suspected Human Carcinogen. This product may contain Polycyclic Aromatic Hydrocarbons (PAHs) identified by IARC as carcinogens; Anthracene, Fluoranthene, Naphthalene, Phenanthrene, Pyrene

Reproductive toxicity

No data available.

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Summary of evaluation of the CMR properties

No data available.

Specific target organ toxicity (STOT) - single exposure

No data available.

Specific target organ toxicity (STOT) - repeated exposure

No data available.

Aspiration hazard

No data available.

Additional information

No data available.

SECTION 12: Ecological information

Toxicity

Toxic to aquatic life

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility in soil

moderate

Results of PBT and vPvB assessment

No data available.

Endocrine disrupting properties

No data available.

Other adverse effects

No data available.

SECTION 13: Disposal considerations

Disposal methods

Product disposal

Disposal should be in accordance with applicable regional, national and local laws and regulations. This product may be recyclable. Consult expert option to determine feasibility of recycling

Packaging disposal

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Waste treatment

Product may be recyclable. Consult expert option to determine feasibility of recycling

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Sewage disposal

Do not pour down sanitary sewers. Do not pour down storm drains.

SECTION 14: Transport information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

SARA 311/312 Hazards

Acute Health Hazard for: Alcohols, C12-16, ethoxylated.

US EPA TSCA public inventory

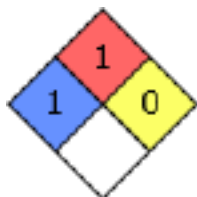
Chemical name: Alcohols, C12-16, ethoxylated

CAS number: 68551-12-2

HMIS Rating

Polylube 8	
HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	C

NFPA Rating



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SECTION 16: Other information

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16.2 Preparation information

SDS Prepared by:
HSEQ Dept.
CGH-EV, Inc
2406 Lynch Road
Evansville, IN 47711