



CHEM GROUP

Safety Data Sheet Polylube 9b

SECTION 1: Identification

1.1 GHS Product identifier

Product name Polylube 9b

1.3 Recommended use of the chemical and restrictions on use

Drilling lubricant

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

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200, 2012)

- Carcinogenicity, Cat. 1B
- Eye damage/irritation, Cat. 2A
- Skin corrosion/irritation, Cat. 2

2.2 GHS label elements, including precautionary statements

Pictograms

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Signal word

Danger

Hazard statement(s)

H315

Causes skin irritation

H319

Causes serious eye irritation

H350

May cause cancer [skin absorption/inhalation]

Precautionary statement(s)

P201

Obtain special instructions before use.

P202

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

P264

Wash thoroughly after handling.

P280

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

P302+P352

IF ON SKIN: Wash with plenty of water

P305+P351+P338

IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses if present and easy to do. Continue rinsing.

P308+P313

IF exposed or concerned: Get medical advice/attention.

P321

Specific treatment (see Section 4 this SDS).

P332+P313

If skin irritation occurs: Get medical advice/attention.

P337+P313

If eye irritation persists: Get medical advice/attention.

P362+P364

Take off contaminated clothing and wash it before reuse.

P405

Store locked up.

P501

Dispose of contents/container to appropriate facility

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

1. Polyflo 200™ (a mixture of petroleum distillates and polycyclic aromatic hydrocarbons. Specific ranges are proprietary)

Concentration: 63% (approximate volume)

2. Component 1 (trade secret)*

Concentration 12 % (approximate volume)

3. Component 2 (trade secret)*

Concentration 8 % (approximate volume)

4. Component 3 (trade secret)*

Concentration 6 % (approximate volume)

5. Component 4 (trade secret)*

Concentration 4 % (approximate volume)

6. Component 5 (trade secret)*

Concentration 3 % (approximate volume)

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7. Component 6 (trade secret)*

Concentration 3 % (approximate volume)

8. Component 7 (trade secret)*

Concentration 0.2 % (approximate volume)

The composition of this product contains proprietary ingredients.

The specific chemical identities and/or exact concentrations are withheld as trade secrets in accordance with OSHA Hazard Communication Standard (29 CFR 1910.1200(i)).

All known hazards associated with this product have been disclosed in accordance with applicable OSHA requirements.

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	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	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
Personal protective equipment for first-aid responders	Avoid contact with liquid or contaminated clothing. Avoid breathing vapors. Wear latex or rubber gloves.

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

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.

Unsuitable Extinguishing Media: High volume water jet. Water or foam may cause frothing

5.2 Specific hazards arising from the chemical

Unsuitable Extinguishing Media High volume water jet. Water or foam may cause frothing

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 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, storm sewers, sanitary sewers, waterways and/or groundwater. Collect spillage.

6.3 Methods and materials for containment and cleaning up

Prevent further leakage or spillage if safe to do so. Reposition leaking containers if possible and practical.

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. Protect storm drains and sanitary sewers with dikes, socks, or booms.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Obtain special instructions before use. 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

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 Appropriate engineering controls

Maintain eye wash fountain and safety showers in work area.
Ensure adequate ventilation

8.2 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.

Respiratory protection

not needed for normal storage and use. In the event of personal reaction to vapors, use suitable respiratory protection with organic vapour filters.

Environmental exposure controls

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

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Physical state	Liquid
Appearance	transparent light brown/tan liquid
Color	light brown/tan
Odor	hydrocarbon
Odor threshold	No data available.
Melting point/freezing point	No data available.
Boiling point or initial boiling point and boiling range	No data available.
Flammability	ignitable
Lower and upper explosion limit/flammability limit	No data available.
Flash point	218C/425F (open cup)
Explosive properties	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	No data available.
Oxidizing properties	No data available.
pH	2.91
Kinematic viscosity	No data available.
Solubility	negligible
Partition coefficient n-octanol/water (log value)	No data available.
Vapor pressure	<14.8 psia @ 70F
Evaporation rate	No data available.
Density and/or relative density	<1
Relative vapor density	>1

SECTION 10: Stability and reactivity

10.1 Reactivity

Not reactive under normal conditions of use.

10.2 Chemical stability

Stable under normal conditions of use

10.3 Possibility of hazardous reactions

None under normal conditions of use.

10.4 Conditions to avoid

Ignitions sources

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

oxides of carbon, smoke, soot, un-burned hydrocarbons

SECTION 11: Toxicological information

Information on toxicological effects

Skin corrosion/irritation

May cause skin irritation if left on skin. Wash off immediately.

Serious eye damage/irritation

May cause serious eye damage if left untreated.

Respiratory or skin sensitization

Avoid breathing vapors or mists. May cause upper respiratory irritation.

Carcinogenicity

May cause cancer. This product may contain Polycyclic Aromatic Hydrocarbons (PAHs) identified by IARC as carcinogens; Anthracene, Fluoranthene, Naphthalene, Phenanthrene, Pyrene. Follow all precautions.

SECTION 12: Ecological information

Toxicity

Toxic to aquatic life

Persistence and degradability

No data available.

Bioaccumulative potential

No data available.

Mobility in soil

No data available.

Results of PBT and vPvB assessment

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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.

Packaging disposal

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

Sewage disposal

DO NOT pour into sanitary sewer systems or storm drain systems.

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

This product is subject to USEPA Tier 2 reporting

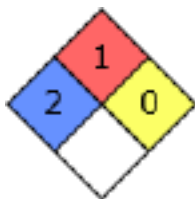
HMIS Rating

Polylube 9b	
HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	C

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NFPA Rating



SECTION 16: Other information

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Version 1.0

16.1 Further information/disclaimer

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

16.2 Preparation information

SDS Prepared by:

HSEQ Dept.

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