

**Safety Data Sheet**  
**CHEMOLUBE H Special**

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**1. Identification**

**Product Identifier used on the label**

**CHEMOLUBE H Special**

**Recommended use of the chemical and restriction on use**

Recommended use\*: Chemical

\*The “recommended use” identified for this product is provided solely to comply with a US Federal requirement and is not part of the seller’s published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller’s sales agreement.

**Details of the supplier of the safety data sheet**

Company:

Hytek Industries  
P.O. Box 56  
Oceanport, NJ 07757 USA  
Ph: 732-229-5730  
Email: [info@hytekind.com](mailto:info@hytekind.com)

**Emergency telephone number**

CHEMTREC 1-800-424-9300

**Other means of identification**

Chemical family: Polymer, preparation  
Synonyms: Fire resistant hydraulic fluid

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**2. Hazards Identification**

**According to Regulation 2012 OSHA Hazard Communication Standard: 29 CFR Part 1910.1200**

**Classification of product:**

Acute Tox.	4	Acute Toxicity
STOT RE	2	Specific target organ toxicity- repeated exposure

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### Label Elements

Signal Word:  
Warning

Hazard Statement:

H302 Harmful if swallowed  
H373 May cause damage to organs (kidney) through prolonged or repeated exposure.

Precautionary Statements (Prevention):

P260 Do not breathe dust/gas/mist/vapors.  
P270 Do not eat, drink or smoke when using this product.  
P264 Wash with plenty of water and soap thoroughly after handling.

Precautionary Statements (Response):

P311 Call a POISON CENTER or doctor/physician.  
P301 + P330 If SWALLOWED: rinse mouth.

Precautionary Statements (Disposal):

P501 Dispose of contents/container to hazardous or special waste collection point.

### Hazards not otherwise classified

High risk of slipping due to leakage/spillage of product.

**According to regulation 1994 OSHA Hazard Communication Standard: 29 CFR Part 1910.1200**

### Emergency overview

Harmful if swallowed.

Contains diethylene glycol which has been shown to cause kidney and central nervous system effects following oral ingestion.

Use with local exhaust ventilation.

Wear protective clothing.

Wear full face shield if splashing hazard exists.

Avoid inhalation of mists/vapors.

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### 3. Composition/ Information on Ingredients

**According to Regulation 2012 OSHA Hazard Communication Standard: 29 CFR Part 1910.1200**

<u>CAS Number</u>	<u>Content (W/W)</u>	<u>Chemical name</u>
111-46-6	>=25.0<50.0%	diethylene glycol

**According to Regulation 1994 OSHA Hazard Communication Standard: 29 CFR 1910.1200**

CAS Number  
111-46-6

Content (W/W)  
>=25.0-<50.0%

Chemical name  
diethylene glycol

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#### 4. First-Aid measures

##### Description of first aid measures

###### General advice:

Remove contaminated clothing.

###### If inhaled:

Remove the affected individual into fresh air and keep the person calm. Seek medical attention.

###### If on skin:

Wash thoroughly with soap and water.  
If irritation develops, seek medical attention.

###### If in eyes:

Wash affected eyes for at least 15 minutes under water with eyelids held open.  
If irritation develops, seek medical attention.

###### If swallowed:

Rinse mouth immediately with water. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Do not induce vomiting due to aspiration hazard. Seek medical attention.

#### Most important symptoms and effects, both acute and delayed

Symptoms: The most important known symptoms and effects are described in the labeling (see section 2) and/or in section 11.

Further important symptoms and effects are so far not known.

Hazards: No applicable information available.

#### Indication of any immediate medical attention and special treatment needed

##### Note to physician

Treatment                      Treat according to symptoms (decontamination, vital functions) no      known specific antidote.

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#### 5. Fire-fighting Measures

##### Extinguishing media

Suitable extinguishing media:  
Water spray, dry powder, foam

##### Special hazards arising from the substance or mixture

Hazards during fire-fighting:  
Harmful vapors

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

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#### **Advice for fire-fighters**

Protective equipment for fire-fighting:

Fire-fighters should be equipped with self-contained breathing apparatus and turn-out gear.

#### **Further information:**

Contaminated extinguishing water must be disposed of in accordance with official regulations.

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### **6. Accidental release measures**

Further accidental release measures:

High risk of slipping due to leakage/spillage of product.

#### **Personal precautions, protective equipment and emergency procedures**

Use personal protective clothing.

#### **Environmental precautions**

Do not discharge into drains/surface waters/groundwater.

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

For small amounts: Pick up with absorbant material (e.g. sand, sawdust, general-purpose binder)

Dispose of absorbed material in accordance with regulations.

For large amounts: pump off product.

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### **7. Handling and Storage**

#### **Precautions for safe handling**

No special measures necessary provided product is used correctly.

#### **Protection against fire and explosion:**

No special precautions necessary.

#### **Conditions for safe storage, including any incompatibilities**

Segregate from acids and bases. Segregate from strong oxidizing agents.

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### **8. Exposure Controls/Personal Protection**

#### **Advice on system design:**

Provide local exhaust ventilation to control vapors/mists

#### **Personal protective equipment**

°Wear respiratory protection if ventilation is inadequate. Respiratory protection in case of vapor/aerosol release.

#### **Hand protection**

Chemical resistant protective gloves

**Eye protection**

Safety glasses with side-shield

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**Body protection:**

Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

**General safety and hygiene measures:**

Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Take off immediately all contaminated clothing. Handle in accordance with good industrial hygiene and safety practice.

## 9. Physical and Chemical Properties

Form:	liquid	
Odor:	of glycol	
Odor threshold:		No applicable information available.
Color:	red	
pH value:	9.5	
Melting point:		Not determined.
Boiling point:	102° C	(1,013 hPa)
Sublimation point:		No applicable information available.
Flash point:		Not applicable
Flammability	not applicable	
Lower explosion limit:		For liquids not relevant for classification and labeling. The lower explosion point may be 5-15°C below the flash point.
Upper explosion limit:		For liquids not relevant for classification and labeling.
Autoignition:	407°C	
Vapor pressure:		No applicable information available.
Density:	1.079 g/cm <sup>3</sup>	(20-25°C)
Relative density:		No applicable information available.
Bulk density:	1,080 kg/m <sup>3</sup>	
Vapor density:		No applicable information available.
Self-ignition temperature:		Not self-igniting
Thermal decomposition:	No composition if correctly stored and handled.	
Viscosity, dynamic:		Not determined.
Viscosity, kinematic:		No applicable information available.
Solubility in water:		Completely soluble.
Solubility (quantitative):		No applicable information available.
Solubility (qualitative):		No applicable information available.
Evaporation rate:		Value can be approximated from Henry's Law Constant or vapor pressure.
Other information:	If necessary, information on other physical and chemical parameters is indicated in this section.	

## 10. Stability and Reactivity

### Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Corrosion to metals: No corrosive effect on metal.

Oxidizing properties: not fire-propagating

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#### **Chemical stability**

The product is stable if stored and handled as prescribed/indicated.

#### **Possibility of hazardous reactions**

No hazardous reactions when stored and handled according to the instructions.

The product is chemically stable.

#### **Conditions to avoid**

No conditions to avoid anticipated.

#### **Incompatible materials**

Strong acids, strong bases, strong oxidizing-agents

#### **Hazardous decomposition products**

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

No decomposition if correctly stored and handled.

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## 11. Toxicologist information

### **Primary routes of exposure**

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

### **Acute Toxicity/Effects**

#### Acute toxicity

Assessment of acute toxicity: Of low toxicity after single ingestion.

#### Oral

Type of value: LD50

Species: rat

Value: >2,000 mg/kg

*Information on: diethylene glycol*

*Type of value: LD (human)*

*Value: approx.. 1,000 mg/kg*

.....  
Inhalation

No applicable information available.

#### Dermal

No applicable information available.

#### Assessment of other acute effects

No applicable information available.

#### Irritation/corrosion

Assessment of irritating effects: Not irritating to eyes and skin.

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#### Skin

Species: rabbit

Result: slightly irritating

Method: Draize test

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

#### Eye

Species: rabbit

Result: non-irritant

Method: Draize test

The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

#### Sensitization

Assessment of sensitization: Based on available data, the classification criteria are not met.

### **Chronic Toxicity/Effects**

#### Repeated dose toxicity

Assessment of repeated dose toxicity: The substance may cause damage to the kidney after repeated ingestion.

#### Genetic toxicity

Assessment of mutagenicity: No applicable information available.

#### Carcinogenicity

Assessment of carcinogenicity: The whole of the information assessable provides no indication of a carcinogenic effect.

#### Reproductive toxicity

Assessment of reproduction toxicity: No applicable information available.

#### Experiences in humans

*Information on: diethylene glycol*

*Diethylene in pharmaceutical products caused death and severe kidney damage in humans.*

#### Other information

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

### **Symptoms of Exposure**

The most important known symptoms and effects are described in the labeling (see section 2)

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## 12. Ecological Information

## **Toxicity**

Aquatic toxicity

Assessment of aquatic toxicity:

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There is a high probability that the product is not acutely harmful to aquatic organisms.

#### Toxicity to fish

LC50 (96 h) > 1,000 mg/l, *Lepomis macrochirus* (static)

#### Aquatic invertebrates

EC50 (24 h) > 1,000 mg/l, *Daphnia magna*

#### Aquatic plants

EC10 (72 h) > 100 mg/l, algae

Literature data

### **Microorganisms/Effect on activated sludge**

#### Toxicity to microorganisms

Bacterium/EC10 (16h): 8,000 mg/l

Inhibition of degradation activity in activated sludge is not to be anticipated during correct introduction of low concentrations.

### **Persistence and degradability**

#### Assessment biodegradation and elimination (H<sub>2</sub>O)

Study scientifically not justified.

### **Bioaccumulative potential**

#### Assessment bioaccumulation potential

Study scientifically not justified.

### **Mobility in soil**

#### Assessment transport between environmental compartments

No data available.

### **Additional information**

Other ecotoxicological advice:

Do not release untreated into natural waters.

The product has not been tested. The statements on ecotoxicology have been derived from the properties of individual components

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## **13. Disposal considerations**

### **Waste disposal of substance:**

Dispose of in accordance with national, state and local regulations. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

### **Container disposal:**



Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

RCRA: None

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**14. Transport Information**

**Land transport**

USDOT Not classified as a dangerous good under transport regulations.

**Sea transport**

IMDG Not classified as a dangerous good under transport regulations.

**Air transport**

IATA/ICAO Not classified as a dangerous good under transport regulations.

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**15. Regulatory Information**

**Federal Regulations**

**Registration status:**

Chemical TSCA, US released/listed

**EPCRA RQ 311/312 (Hazard categories)** Acute, chronic

<b><u>CERCLA RQ</u></b>	<b><u>CAS Number</u></b>	<b><u>Chemical name</u></b>
100 lbs	110-91-8	morpholine

**State regulations**

<b><u>State RTK</u></b>	<b><u>CAS Number</u></b>	<b><u>Chemical name</u></b>
PA	111-46-6	diethylene glycol

**CA Prop 65:**

THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

**NFPA Hazard codes:**

Health: 1 Fire: 1 Reactivity: 0 Special:

**HMIS III rating**

Health: 1 Flammability: 1 Physical hazard: 0

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**16. Other Information**

**SDS Prepared by:**

Hytek Industries Corporation  
SDS prepared on 1/10/16

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