



# ALLIED MEGA EHF HYDRAULIC FLUID

## Safety Data Sheet

### I. PRODUCT AND COMPANY IDENTIFICATION

2012-04-18 11:42:51

**Product Name:** ALLIED MEGA EHF HYDRAULIC FLUID  
**Product Code:** 00C46213  
**Supplier:** ALLIED OIL & TIRE COMPANY  
 2209 S. 24TH STREET  
 OMAHA, NE 68108  
**Phone:** (402) 344-4343 or (800) 333-3717  
**Emergency Phone Number:** 1-800-424-9300 CHEMTREC

### II. HAZARD IDENTIFICATION

**Routes of Entry:** Eye contact, Ingestion, Inhalation, Skin contact  
**Target Organs:** Eyes  
**Chemical Interactions:** No chemical interaction known to affect toxicity.  
**Conditions Aggravated by Exposure:** Personnel with pre-existing skin disorders should avoid contact with this product.

#### Acute Health Effects:

**Inhalation Irritation:** Can cause moderate respiratory irritation, dizziness, weakness, fatigue, nausea and headache.  
**Skin Contact:** Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage.  
**Skin Absorption:** Minimal hazard in normal industrial use. May cause gastrointestinal discomfort.  
**Eye Contact:** Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.  
**Ingestion Irritation:** Irritating to mouth, throat, and stomach. Can cause abdominal discomfort, nausea, vomiting and diarrhea.

#### Chronic Health Effects:

**Carcinogenicity:** Not a carcinogen according to NTP, IARC, or OSHA.  
**Reproductive Toxicity:** No data available to indicate product or any components present at greater than 0.1% may cause birth defects.  
**Mutagenicity:** No data available to indicate product or any components present at greater than 0.1% is mutagenic or genotoxic.

#### HMIS Ratings:

**Health:** 2  
**Flammability:** 1  
**Reactivity:** 0  
**PPE:** B

#### NFPA Ratings:

**Health:** 1  
**Flammability:** 1  
**Reactivity:** 0

0 - Least      1 - Slight      2 - Moderate      3 - High      4 - Extreme

### III. CHEMICAL COMPONENTS

Chemical Name	%	CAS #	OSHA Exposure Limits
Petroleum distillates, hydrotreated heavy paraffinic	90 - 99	64742-54-7	No PEL
Petroleum distillates, hydrotreated middle	0.1 - 1	64742-46-7	No PEL

Components not listed are not physical or health hazards as defined in 29 CFR 1910.1200 (Hazard Communication Standard).

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### IV. FIRST-AID MEASURES

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<b>Inhalation:</b>	Remove to fresh air. If breathing is difficult, have a trained individual administer oxygen. If not breathing, give artificial respiration and have a trained individual administer oxygen and get medical attention immediately.
<b>Eyes:</b>	Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.
<b>Skin Contact:</b>	Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.
<b>Ingestion:</b>	Do not induce vomiting and seek medical attention immediately. Provide medical care provider with this MSDS.
<b>Notes to Doctor:</b>	No additional first aid information available.

### V. FIRE FIGHTING MEASURES

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<b>Flammability Summary:</b>	Combustible at elevated temperatures
<b>Extinguishing Media:</b>	Use alcohol resistant foam, carbon dioxide, or dry chemical when fighting fires. Water or foam may cause frothing if liquid is burning but it still may be a useful extinguishing agent if carefully applied to the surface of the fire. Do not direct a stream of water into the hot burning liquid.
<b>Fire and/or Explosion Hazards:</b>	Material may be ignited only if preheated to temperatures above the high flash point, for example in a fire.
<b>Fire and/or Explosion Methods:</b>	Do not enter fire area without proper protection including self-contained breathing apparatus and full protective equipment. Use methods for the surrounding fire.
<b>Hazardous Combustion Products:</b>	Carbon dioxide, Carbon monoxide, Smoke
<b>Flash Point:</b>	207 °C, (405°F)

### VI. ACCIDENTAL RELEASE MEASURES

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<b>Personal Precautions and Equipment:</b>	Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Also consider the expertise of employees in the area responding to the spill.
<b>Clean up:</b>	Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Dispose of in regular trash as product is not considered a hazardous waste. Used fluid should be disposed of at a recycling center. Do not flush to sewer.
<b>Emergency Contacts:</b>	CHEMTREC 1-800-424-9300 ALLIED 1-800-333-3717

### VII. HANDLING AND STORAGE

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<b>Handling:</b>	Harmful or irritating material. Avoid contacting and avoid breathing the material. Use only in a well-ventilated area. Empty containers may retain product residues/ vapors. Use proper bonding and grounding during bulk product transfer.
<b>Storage:</b>	Store in a cool dry ventilated location. Isolate from incompatible materials and conditions. Keep container(s) closed. Do not expose to extreme temperatures or flames.

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### VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

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<b>Engineering Measures:</b>	No exposure limits exist for the constituents of this product. Use local exhaust ventilation or other engineering controls to minimize exposures and maintain operator comfort.
<b>Respiratory Protection:</b>	Respiratory protection may be required to avoid overexposure when handling this product. General or local exhaust ventilation is the preferred means of protection. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms.
<b>Respirator Type(s):</b>	None required where adequate ventilation is provided. If airborne concentrations are above the applicable exposure limits, use NIOSH/MSHA approved respiratory protection.
<b>Eye Protection:</b>	Wear chemically resistant safety glasses with side shields when handling this product. Do not wear contact lenses.
<b>Skin Protection:</b>	Wear protective gloves. Inspect gloves for chemical break-through and replace at regular intervals. Clean protective equipment regularly. Wash hands and other exposed areas with mild soap and water before eating, drinking, and when leaving work.
<b>Gloves:</b>	Neoprene, Nitrile

#### Control Parameters:

Chemical Name	ACGIH TLV-TWA	ACGIH STEL	IDLH
Petroleum distillates, hydrotreated heavy paraffinic	No TLV	No STL	No IDLH
Petroleum distillates, hydrotreated middle	No TLV	No STL	No IDLH

### IX. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance:</b>	Liquid
<b>Color:</b>	Amber
<b>Odor:</b>	No data
<b>Viscosity:</b>	9.785@100C
<b>Solubility:</b>	Insoluble
<b>Evaporation Rate:</b>	No data.
<b>Boiling Point (°C):</b>	No data.
<b>Specific Gravity:</b>	0.86
<b>Bulk Density:</b>	7.21 Lbs/Gallon
<b>Flash Point (°C):</b>	207
<b>Autoignition Temp. (°C):</b>	No data.
<b>Upper Flammable/Explosive Limit, %:</b>	Unknown
<b>Lower Flammable/Explosive Limit, %:</b>	Unknown

For Further Technical Information, Contact Your Marketing Representative

### X. STABILITY AND REACTIVITY

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<b>Stability:</b>	Stable under normal conditions.
<b>Conditions to Avoid:</b>	Temperatures above the high flash point of this combustible material in combination with sparks, open flames, or other sources of ignition.
<b>Materials to Avoid:</b>	Strong oxidizing agents
<b>Hazardous Decomposition Products:</b>	Carbon monoxide, sulfur oxides, aldehydes, and other petroleum decomposition products in the case of incomplete combustion. Oxides of nitrogen, phosphorus, calcium, copper, magnesium, sodium, and hydrogen sulfide may also be present.

### XI. TOXICOLOGICAL INFORMATION

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<b>Ingestion:</b>	Lubricating oils are generally no more than slightly toxic if swallowed.
<b>Inhalation:</b>	Harmful! Can cause systemic damage (see "Target Organs").

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**Absorption:** Minimal hazard in normal industrial use. May cause gastrointestinal discomfort.  
**Eyes Draize score:** No data.  
**Skin Draize score:** No data.  
**Sensitization:** No data.

### Component Toxicology Data (NIOSH):

Chemical Name	CAS Number	LD <sub>50</sub> /LC <sub>50</sub>
Distillates (petroleum), hydrotreated heavy paraffinic (A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the ran	64742-54-7	Inhalation LC50 Rat 2.18 mg/L 4 h; Oral LD50 Rat >2000 mg/kg; Dermal LD50 Rabbit >2000 mg/kg
Phenol, 2,6-di-tert-butyl-	128-39-2	Dermal LD50 Rabbit 10000 mg/kg; Oral LD50 Rat >5000 mg/kg
Petroleum distillates, hydrotreated middle	64742-46-7	Inhalation LC50 Rat 4.6 mg/L 4 h; Oral LD50 Rat 7400 mg/kg; Dermal LD50 Rabbit >2000 mg/kg

### XII. ECOLOGICAL INFORMATION

**Overview:** Moderate ecological hazard. This product may be dangerous to plants and/or wildlife.  
**Mobility:** This material is expected to have essentially no mobility in soil. It absorbs strongly to most soil types.  
**Persistence:** No data.  
**Bioaccumulation:** Bioconcentration is not expected to occur.  
**Degradability:** Biodegrades slowly.

Toxicity to Aquatic Invertebrates:	CAS Number	Results
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	48 Hr EC50 Daphnia magna: >1000 mg/L
Toluene	108-88-3	48 Hr EC50 Daphnia magna: 5.46 - 9.83 mg/L [Static]; 48 Hr EC50 Daphnia magna: 11.5 mg/L
Naphtha (petroleum), heavy aromatic	64742-94-5	48 Hr EC50 Daphnia magna: 0.95 mg/L
Toluene	108-88-3	96 Hr EC50 Pseudokirchneriella subcapitata: >433 mg/L; 72 Hr EC50 Pseudokirchneriella subcapitata: 12.5 mg/L [static]
Naphtha (petroleum), heavy aromatic	64742-94-5	72 Hr EC50 Skeletonema costatum: 2.5 mg/L

  

Toxicity to Fish:	CAS Number	Results
Petroleum distillates, hydrotreated heavy paraffinic	64742-54-7	96 Hr LC50 Oncorhynchus mykiss: >5000 mg/L
Petroleum distillates, hydrotreated middle	64742-46-7	96 Hr LC50 Pimephales promelas: 35 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: >10000 mg/L [static]

### XIII. DISPOSAL CONSIDERATIONS

**Disposal of** Recycle containers whenever possible.  
**Packaging:**  
**Disposal Methods:** Dispose of according to Federal, State, Local, or Provincial regulations. Recycle used oil.

### XIV. TRANSPORTATION INFORMATION

DOT & IMDG: NOT RESTRICTED

### XV. REGULATORY INFORMATION

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State Restrictions: ND

Chemical Name	CAS No.	Regulation	Conc. %
None Listed.			
Toluene	108-88-3	SARA 313	0.001- 0.01
Phenol	108-95-2	SARA 313	0.001- 0.01
None Listed.		SARA EHS	
None Listed.		TSCA 12b export notification	
None Listed.		CA Prop 65 - Cancer	
Toluene	108-88-3	CA Prop 65 - Dev. toxicity	0.001- 0.01
Toluene	108-88-3	CA Prop 65 - Reprod -fem	0.001- 0.01
Hydrotreated middle distillate (petroleum)	64742-46-7	Canadian WHMIS list	0.1 - 1
None Listed.		Massachusetts RTK List	
None Listed.		New Jersey RTK List	
None Listed.		Pennsylvania RTK List	
None Listed.		Rhode Island Hazardous Substance List	
None Listed.		Minnesota Hazardous Substance List	

### XVI. OTHER INFORMATION

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**Revision Date:** 2012-04-18 11:42:51

**Superseded By:** 2012-04-04 11:29:35

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