

Issue Date: 15-Jun-2015

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Version 2

## 1. IDENTIFICATION

**Product Name** HYDRAULIC OIL AW 68

**Item #** F-8682-14  
F-8683-05  
F-8684-275  
F-8684-55

**Recommended Use** Anti-wear R& O hydraulic fluid

**Supplier Address** Ashburn Chemical Technologies  
7403 Wright Rd  
Houston, TX 77041

**Company Phone Number** 832-399-1000

**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

## 2. HAZARDS IDENTIFICATION

### Classification of the substance or mixture

Not a hazardous substance or mixture according to the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200), The Canadian Workplace Hazardous Information System (WHMIS) and Directive 1999/45/EC and its subsequent amendments.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
PetroleumHydrotreated Naphthenic	64742-53-6 64742-52-5	90-100

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

## 4. FIRST-AID MEASURES

### First Aid Measures

**General Advice** Provide this SDS to medical personnel for treatment.

**Eye Contact** Flush eyes with plenty of water for several minutes. If irritation or redness persists, get medical attention.

**Skin Contact** Wash contact areas with soap and water. Remove contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.

**Inhalation** If irritation, headache, nausea or drowsiness occurs, remove to fresh air. Get medical attention if breathing becomes difficult or symptoms persist.

<b>Ingestion</b>	If swallowed, observe for signs of stomach discomfort or nausea. If symptoms persist, get medical attention. Do not induce vomiting.
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**Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	Treat symptomatically.
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## 5. FIRE-FIGHTING MEASURES

**Flammable Properties:**

Flash Point (Cleveland Open Cup):	199°C (390°F)
Auto Ignition Temperature:	> 315°C (> 600°F)
Lower Explosive Level (LEL):	Not Determined
Upper Explosive Level (UEL):	Not Determined
Flammability Classification:	OSHA Class III-B Combustible Liquid, 29 CFR 1910.106(a)

**Suitable / Unsuitable  
Extinguishing Media**

Dry chemical, foam, CO<sub>2</sub> and water mist or fog. Water may be used to cool below flash point. Do not use forced stream as this could cause fire to spread. Class ABC fire extinguisher

**Specific Hazards Arising/  
Combustion Products**

Highly dependent on combustion conditions. A mixture of airborne solids, liquids and gases including smoke, fumes, carbon monoxide, carbon dioxide and unidentified organic compounds will be evolved when this material undergoes combustion.

**Protective equipment /  
Precautions for firefighters**

This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined spaces without proper protective equipment. Firefighting personnel should wear respiratory protection and flame retardant clothing. (positive pressure if available).

**General Fire Hazard**

No unusual fire or explosion hazards noted. Flammability Class: Combustible IIIB

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions**

Do not breathe dust/fume/gas/mist/vapors/spray.  
See SECTION 8 for Personal Protective Equipment.

**Environmental Precautions**

Prevent entry into drains, waterways, rivers, lakes, sewers, basements or confined areas. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities. See SECTION 12 for Ecological Information

**Methods for Clean-Up**

Absorb or cover with dry earth, sand or other non-combustible material. Sweep up absorbed material and shovel into suitable containers for disposal. Discard any product, residue, disposable container or liner in full compliance with federal, state, and local regulations. See SECTION 13 for Waste Disposal

## 7. HANDLING AND STORAGE

**Advice on Safe Handling**

Handle in accordance with good industrial hygiene and safety practice. Wash face, hands, and any exposed skin thoroughly after handling. See SECTION 8 for Personal Protection. See SECTION 2 for Precaution Statements.

**Storage Conditions**

Keep container tightly closed and store in a cool, dry and well-ventilated place. Do not store in open or unlabeled containers. Store away from heat and open flame. Storage temperature 5-40°C (41-104°F).

**Incompatible Materials**

Strong oxidizing agents.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH	OSHA	NIOSH
Hydrotreated naphthenic & paraffinic distillates	TWA: 5 mg/m <sup>3</sup> STEL: 10 mg/m <sup>3</sup>	TWA: 5 mg/m <sup>3</sup>	STEL: 10 mg/m <sup>3</sup> 15 min

**Legend:**

**ACGIH:** American Conference of Governmental Industrial Hygienists

**OSHA:** Occupational Safety and Health Administration

**NIOSH:** National Institute for Occupational Safety and Health

**TLV:** Threshold Limit Value

**PEL:** Permissible Exposure Limit

**STEL:** Short Term Exposure Limit

**TWA:** Time weight average

### Appropriate engineering controls

**Engineering Controls**

Adequate ventilation to keep airborne concentration of vapors below the threshold limit value. Maintain eye wash fountain and quick-drench facilities in work area.

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection**

Safety glasses with side shields are recommended.

**Skin and Body Protection**

Chemical, and oil resistant clothing is recommended.

**Respiratory Protection**

Ensure adequate ventilation, especially in confined areas.

**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 and launder before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Liquid	<b>Odor</b>	Mild petroleum odor
<b>Appearance</b>	Clear	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Amber / Golden-brown		
<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>	
<b>pH</b>	N/A		
<b>Melting Point/Freezing Point</b>	N/A		
<b>Boiling Point/Boiling Range</b>	> 224 °C / > 435 °F	ASTM D-2887	
<b>Flash Point</b>	199 °C / 390 °F	Cleveland Open Cup ASTM D-92	
<b>Auto-ignition temperature</b>	> 315 °C / > 600 °F	ASTM E-659	
<b>Evaporation Rate</b>	Not determined		
<b>Upper / Lower Flammability Limits</b>	Not determined		
<b>Upper/lower Explosive Limit</b>	Not determined		
<b>Vapor Pressure</b>	Not determined		
<b>Vapor Density</b>	> 5		
<b>Relative Density</b>	7.4-7.5 lb/gal	(20°C) ASTM D-4052	
<b>Specific Gravity</b>	0.80-0.90		
<b>Water Solubility</b>	Insoluble		
<b>Solubility in other solvents</b>	Not determined		
<b>Viscosity</b>	68 cSt / 320 SUS	@ 40°C ASTM D-445	
<b>Partition Coefficient</b>	Not determined	n-octanol / water	

## 10. STABILITY AND REACTIVITY

**Reactivity**

Not reactive under normal conditions.

<b>Chemical Stability</b>	Stable under recommended storage conditions.
<b>Possibility of Hazardous Reactions</b>	Stable under recommended storage conditions.
<b>Conditions to Avoid</b>	Incompatible Materials. Heat, flame.
<b>Incompatible Materials</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	Thermal decomposition and combustion are not expected to occur except under extreme conditions.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Eye Contact</b>	May cause eye irritation with discomfort, tearing, or blurring of vision..
<b>Skin Contact</b>	Frequent or prolonged contact may cause redness and irritation.
<b>Inhalation</b>	Prolonged inhalation may be harmful. Hot vapors may cause respiratory irritation.
<b>Ingestion</b>	May be harmful if swallowed.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Hydrotreated naphthenic & paraffinic distillates (Mist)	> 5000 mg/kg ( Rat )	> 2000 mg/kg ( Rabbit )	= 2.18 mg/L ( Rat ) 4 h

### Information on physical, chemical and toxicological effects

<b>Symptoms</b>	Please see section 4 of this SDS for symptoms.
<b>Acute Toxicity</b>	ATE (LC50) Oral: 0 mg/kg dermal: 0 mg/kg Inhalation (vapour/mist) : 1.5 mg/l
<b>Skin Sensitization</b>	May cause defatting of the skin, but is neither an irritant nor a sensitizer
<b>Chronic Effects</b>	Prolonged inhalation may be harmful
<b>Aspiration Hazard</b>	May be fatal if swallowed and enters airways.
<b>Germ cell Mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Meet EU requirements of less than 3% DSMO extract as measured for total Polycyclic aromatic compound (PAC) using IP 346, hence the classification of a carcinogen need not apply.
<b>Numerical measures of toxicity</b>	Not determined
<b>Unknown Acute Toxicity</b>	Not determined.

## 12. ECOLOGICAL INFORMATION

<b><u>Ecotoxicity</u></b>	This material maybe toxic to aquatic organisms and should be keep out from sewage, drainage system, and all bodies of water.
<b>Persistence/Degradability</b>	Not inherently biodegradable.
<b>Bioaccumulation</b>	Bioaccumulation is unlikely to be significant because of the low water solubility of this product.
<b>Mobility</b>	Liquid under most environmental conditions. Floats on water. If entered soil, it will adsorb to soil particles and will not be mobile.
<b>Other Adverse Effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected.

### 13. DISPOSAL CONSIDERATIONS

<b>Disposal of Wastes</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated Packaging</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.

### 14. TRANSPORT INFORMATION

<b><u>Note</u></b>	Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
<b>DOT</b>	Not regulated
<b>IATA</b>	Not regulated.
<b>IMDG</b>	Not regulated.

### 15. REGULATORY INFORMATION

#### International Inventories

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Hydrotreated naphthenic paraffinic distillates	X	X		X		X	X	X	X	X

#### Legends

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

#### US Federal Regulations

<b>CERCLA</b>	This material does not contain a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 255)
<b>SARA 311/312 Hazard Categories</b>	Acute Health Hazard

**SARA 313** Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**CWA (Clean Water Act)** This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**California Proposition 65** This product does not contain any Prop 65 Chemicals

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Hydrotreated naphthenic & paraffinic distillates	X	X	X

**16. OTHER INFORMATION**

<b><u>NFPA</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Instability</b>	<b>Special Hazards</b>
	1	1	0	Not determined
<b><u>HMIS</u></b>	<b>Health Hazards</b>	<b>Flammability</b>	<b>Physical Hazards</b>	<b>Personal Protection</b>
	1	1	0	Not determined

**Issue Date:** 15-Jun-2015  
**Review and Update** 21-Mar-2019 – Revised to match manufacturer warnings. DL

**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.

**End of Safety Data Sheet**