



# AW HYDRAULIC OIL ISO 32

## Safety Data Sheet

According to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012.

Date of issue: 01/13/2016

Revision date: 01/13/2016

Version: 1.0

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name : AW HYDRAULIC OIL ISO 32  
Product code : MSOL1360\_LP 1042

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Anything that requires hydraulic 32 oil

#### 1.3. Details of the supplier of the safety data sheet

Olympic Oil  
5000 West 41st Street  
Cicero, IL 60804 - USA  
T 708-876-7900  
[sds.inquiry@olympicoil.us](mailto:sds.inquiry@olympicoil.us)

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC 1 (800) 424-9300  
CHEMTREC International +1 (703) 527-3887 (24/7)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (GHS-US)

Not classified.

#### 2.2. Label elements

##### GHS-US labeling

No labeling applicable

#### 2.3. Other hazards

No additional information available.

#### 2.4. Unknown acute toxicity (GHS US)

Not applicable.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable.

#### 3.2. Mixture

| Name   | Product identifier  | %        |
|--|---------------------|----------|
| Lubricating oils (petroleum), hydrotreated spent | (CAS No) 64742-58-1 | 60 - 100 |

\* The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of §1910.1200.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact : If irritation occurs, flush skin with plenty of water. Get medical attention if irritation persists.

First-aid measures after eye contact : In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.

First-aid measures after ingestion : If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

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

Symptoms/injuries after inhalation : May cause respiratory tract irritation. Heated material may liberate hydrogen sulfide.; Signs and symptoms of over exposure to hydrogen sulfide include headaches, dizziness, nausea, gastrointestinal disturbances, coughing, a sensation of dryness and pain in the nose, throat and chest, confusion and unconsciousness. Higher levels can cause shock, convulsions, coma and death.

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- Symptoms/injuries after skin contact : May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.
- Symptoms/injuries after eye contact : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.
- Symptoms/injuries after ingestion : May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

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

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide. Dry chemical. Foam. Water spray.
- Unsuitable extinguishing media : Water may cause frothing.

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

- Fire hazard : Products of combustion may include, and are not limited to: oxides of carbon, oxides of zinc, oxides of nitrogen, oxides of sulfur, oxides of phosphorous, hydrogen sulfide, toxic fumes and gases.

### 5.3. Advice for firefighters

- Protection during firefighting : Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA). Material will float on water.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

### 6.2. Methods and material for containment and cleaning up

- For containment : Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).
- Methods for cleaning up : Scoop up material and place in a disposal container. Spilled material may present a slipping hazard.

### 6.3. Reference to other sections

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Keep away from heat, flames and sparks. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke. Avoid water contamination. Trace amounts of hydrogen sulfide may be present.
- Hygiene measures : Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Keep out of the reach of children. Keep container tightly closed. Store in a dry, cool and well-ventilated place. Prevent water from contacting stored product. Avoid high temperatures.

### 7.3. Specific end use(s)

Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

| Lubricating oils (petroleum), hydrotreated spent (64742-58-1) |                                     |   |
|---|-------------------------------------|---|
| ACGIH   | ACGIH TWA (mg/m <sup>3</sup> )      | 5 mg/m <sup>3</sup> (Oil mist – inhalable fraction) |
| OSHA  | OSHA PEL (TWA) (mg/m <sup>3</sup> ) | 5 mg/m <sup>3</sup> (Oil mist)                      |
| Hydrogen sulfide (7783-06-4)                                  |                                     |   |
| ACGIH   | ACGIH TWA (ppm)                     | 1 ppm   |
| ACGIH   | ACGIH STEL (ppm)                    | 5 ppm   |
| OSHA  | OSHA PEL (Ceiling) (ppm)            | 20 ppm  |

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### 8.2. Exposure controls

|                                  |   |
|----------------------------------|---|
| Appropriate engineering controls | : Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.  |
| Hand protection                  | : Wear suitable gloves resistant to chemical penetration.   |
| Eye protection                   | : Safety glasses or goggles are recommended when using product.   |
| Skin and body protection         | : Wear suitable protective clothing.  |
| Respiratory protection           | : A NIOSH approved respirator is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Hydrogen sulfide can evolve from this product at elevated temperatures. |
| Environmental exposure controls  | : Maintain levels below Community environmental protection thresholds.  |
| Other information                | : Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.  |

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|   |                               |
|---|-------------------------------|
| Physical state                              | : Liquid                      |
| Appearance                                  | : No data available.          |
| Color                                       | : Amber                       |
| Odor  | : Mild petroleum odour        |
| Odor threshold                              | : No data available           |
| pH  | : No data available           |
| Melting point                               | : No data available           |
| Freezing point                              | : No data available           |
| Boiling point                               | : No data available           |
| Flash point                                 | : > 302 °F ( >150°C ) COC D92 |
| Relative evaporation rate (butyl acetate=1) | : No data available           |
| Flammability (solid, gas)                   | : No data available           |
| Explosion limits                            | : No data available           |
| Explosive properties                        | : No data available           |
| Oxidizing properties                        | : No data available           |
| Vapor pressure                              | : No data available           |
| Relative density                            | : 0.84 - 0.86                 |
| Relative vapor density at 20 °C             | : No data available           |
| Solubility                                  | : Negligible                  |
| Partition coefficient: n-octanol/water      | : No data available           |
| Auto-ignition temperature                   | : No data available           |
| Decomposition temperature                   | : No data available           |
| Viscosity at 40 °C                          | : 29 - 35 cSt                 |
| Viscosity, kinematic                        | : No data available           |
| Viscosity, dynamic                          | : No data available           |

### 9.2. Other information

No additional information available.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reaction known under conditions of normal use.

### 10.2. Chemical stability

Stable under normal storage conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reaction known under conditions of normal use.

### 10.4. Conditions to avoid

Heat. Incompatible materials. Sources of ignition.

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### 10.5. Incompatible materials

Strong oxidizing agent.

### 10.6. Hazardous decomposition products

May include, and are not limited to: oxides of carbon, oxides of zinc, oxides of nitrogen, oxides of sulfur, oxides of phosphorous and hydrogen sulfide.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

| AW HYDRAULIC OIL ISO 32 |                    |
|-------------------------|--------------------|
| LD50 oral rat           | > 2000 mg/kg       |
| LD50 dermal rat         | > 2000 mg/kg       |
| LC50 inhalation rat     | No data available. |

| Lubricating oils (petroleum), hydrotreated spent (64742-58-1) |                   |
|---|-------------------|
| LD50 oral rat   | > 2000 mg/kg      |
| LD50 dermal rabbit  | > 4480 mg/kg      |
| LC50 inhalation rat   | No data available |

|  |  |
|--|--|
| Skin corrosion/irritation                          | : Based on available data, the classification criteria are not met   |
| Serious eye damage/irritation                      | : Based on available data, the classification criteria are not met   |
| Respiratory or skin sensitization                  | : Based on available data, the classification criteria are not met   |
| Germ cell mutagenicity                             | : Based on available data, the classification criteria are not met   |
| Carcinogenicity                                    | : Based on available data, the classification criteria are not met   |
| Reproductive toxicity                              | : Based on available data, the classification criteria are not met   |
| Specific target organ toxicity (single exposure)   | : Based on available data, the classification criteria are not met   |
| Specific target organ toxicity (repeated exposure) | : Based on available data, the classification criteria are not met   |
| Aspiration hazard                                  | : Based on available data, the classification criteria are not met   |
| Symptoms/injuries after inhalation                 | : May cause respiratory tract irritation. Heated material may liberate hydrogen sulfide.; Signs and symptoms of over exposure to hydrogen sulfide include headaches, dizziness, nausea, gastrointestinal disturbances, coughing, a sensation of dryness and pain in the nose, throat and chest, confusion and unconsciousness. Higher levels can cause shock, convulsions, coma and death. |
| Symptoms/injuries after skin contact               | : May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin.   |
| Symptoms/injuries after eye contact                | : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling.  |
| Symptoms/injuries after ingestion                  | : May be harmful if swallowed. May cause stomach distress, nausea or vomiting.   |

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : May cause long-term adverse effects in the aquatic environment.

### 12.2. Persistence and degradability

| AW HYDRAULIC OIL ISO 32       |  |
|-------------------------------|--|
| Persistence and degradability | This material is not expected to be readily biodegradable based on component data. |

### 12.3. Bioaccumulative potential

| AW HYDRAULIC OIL ISO 32   |                  |
|---------------------------|------------------|
| Bioaccumulative potential | Not established. |

### 12.4. Mobility in soil

No additional information available.

### 12.5. Other adverse effects

No additional information available.

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste disposal recommendations : This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible. Do not reuse containers.

### SECTION 14: Transport information

#### Department of Transportation (DOT)

In accordance with DOT  
Not regulated for transport

#### Additional information

Other information : No supplementary information available.  
Special transport precautions : Do not handle until all safety precautions have been read and understood.

### SECTION 15: Regulatory information

#### 15.1. US Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

#### 15.2. US State regulations

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|                            |   |
|----------------------------|---|
| State or local regulations | This product may contain trace amounts of chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. |
|----------------------------|---|

### SECTION 16: Other information

Date of issue : 01/13/2016  
Revision date : 01/13/2016  
Other information : None.

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