

# SAFETY DATA SHEET

Issuing Date 08-13-2019

Revision Date 01-28-2020

Revision Number 2

## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

### Product Identifier

Product Name AWARD HDEO 15W-40

### Other means of identification

Product Code(s) PEO0150AB

Synonyms No information available

### Recommended use of the chemical and restrictions on use

Identified uses Lubricant

Restrictions on use Consumer use

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

#### Initial Supplier Identifier

#### Manufacturer

AFD Petroleum Ltd.  
1444 78 Avenue NW  
Edmonton, AB Canada T6P 1L7  
afdpetroleum.com

### Emergency Telephone Number

Emergency Telephone Number CHEMTREC: 1-800-424-9300 (NORTH AMERICA)  
+1-703-527-3887 (INTERNATIONAL)

## 2. HAZARDS IDENTIFICATION

### Classification

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

### Label Elements

#### **Hazard statements**

Not classified.

### Other Information

not applicable

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substance

The producer of "PEO0150AB" declares that it contains less than 3% DMSO extractable material by IP-346

### 4. FIRST AID MEASURES

#### First Aid Measures

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Remove to fresh air. If not breathing, give artificial respiration.   |
| <b>Eye contact</b>  | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.                    |
| <b>Skin contact</b> | Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Consult a physician if necessary. |
| <b>Ingestion</b>    | Do NOT induce vomiting. Drink plenty of water.  |

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

**Symptoms** None known.

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

**Note to physicians** Treat symptomatically.

### 5. FIRE FIGHTING MEASURES

|   |  |
|---|--|
| <b>Suitable Extinguishing Media</b>                   | Water spray. Carbon dioxide (CO2). Foam. Dry chemical.   |
| <b>Unsuitable extinguishing media</b>                 | Do not scatter spilled material with high pressure water streams.  |
| <b>Specific hazards arising from the chemical</b>     | Thermal decomposition can lead to release of irritating gases and vapors.  |
| <b>Explosion Data</b>                                 |  |
| <b>Sensitivity to mechanical impact</b>               | None.  |
| <b>Sensitivity to static discharge</b>                | May be ignited by friction, heat, sparks or flames.  |
| <b>Special protective equipment for fire-fighters</b> | Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment. |
| <b>NFPA</b>   | <b>Health hazard</b> 1 <b>Flammability</b> 1 <b>Stability</b> 1  |

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### 6. ACCIDENTAL RELEASE MEASURES

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

**Personal precautions** Do not touch damaged packages or spilled material. Wear protective gloves/protective clothing and eye/face protection. Ensure adequate ventilation. Remove all sources of ignition.

**Other information** Refer to protective measures listed in Sections 7 and 8. See Section 12 for additional Ecological Information.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

**Methods for cleaning up** Use personal protective equipment as required. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

### 7. HANDLING AND STORAGE

#### Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. See section 8 for more information.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible products.** Strong oxidizing agents. Strong acids. Strong bases.

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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

#### Appropriate engineering controls

**Engineering controls** Showers  
Eyewash stations  
Ventilation systems.

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

**Eye/face protection** No special protective equipment required.

**Hand protection** No special protective equipment required.

**Skin and body protection** No special protective equipment required.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

#### Information on basic physical and chemical properties

|                |                          |
|----------------|--------------------------|
| Physical state | liquid                   |
| appearance     | amber                    |
| Color          | No information available |
| Odor           | No information available |
| Odor threshold | No information available |

#### Property

Remarks • 1 litre of liquid placed under atmospheric pressure gives a volume of vapour of approximately ? litres.

| <u>Property</u>                        | <u>Property</u>          |
|--|--------------------------|
| pH VALUE                               | 6 - 8                    |
| Melting Point / Freezing Point         | No data available        |
| Boiling Point/Range                    | No data available        |
| Flash Point                            | 221 °C / 430 °F          |
| Flashpoint Method                      | No information available |
| Evaporation rate                       | No data available        |
| Flammability (solid, gas)              | No data available        |
| Flammability Limits in Air             | No data available        |
| Upper flammability limit:              | No data available        |
| Lower Flammability Limit               | No data available        |
| Vapor pressure                         | No data available        |
| Vapor Density                          | No data available        |
| Relative Density                       | 0.876                    |
| Water solubility                       | negligible               |
| Solubility in other solvents           | No data available        |
| Partition coefficient: n-octanol/water | No data available        |
| Autoignition Temperature               | No data available        |
| Decomposition Temperature              | No data available        |
| Viscosity, kinematic                   | 113.2 cSt @ 40°C         |
| Viscosity, dynamic                     | No data available        |

#### Other information

|                      |                           |
|----------------------|---------------------------|
| Explosive properties | No information available. |
| Oxidizing properties | No information available. |
| Softening Point      | No information available  |
| Density VALUE        | No data available         |
| Bulk Density         | No data available         |

### 10. STABILITY AND REACTIVITY

|                                    |  |
|------------------------------------|--|
| Reactivity                         | No information available.  |
| Chemical stability                 | Stable under recommended storage conditions.                       |
| Possibility of Hazardous Reactions | None under normal processing.                                      |
| Conditions to Avoid                | Heat, flames and sparks. Contact with other chemicals.             |
| Incompatible Materials             | Strong oxidizing agents, strong acids, and strong bases.           |
| Hazardous Decomposition Products   | Carbon monoxide, carbon dioxide and unburned hydrocarbons (smoke). |

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### 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

##### Product Information

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | May cause irritation of respiratory tract.                                      |
| <b>Eye contact</b>  | May cause eye irritation with susceptible persons.                              |
| <b>Skin contact</b> | May cause sensitization in susceptible persons.                                 |
| <b>Ingestion</b>    | Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |

#### Information on toxicological effects

**Symptoms** No information available.

#### Acute Toxicity

##### Numerical measures of toxicity

No information available

The following values are calculated based on chapter 3.1 of the GHS document .

|                        |                 |
|------------------------|-----------------|
| <b>ATEmix (oral)</b>   | 15,000.00 mg/kg |
| <b>ATEmix (dermal)</b> | 6,001.00 mg/kg  |

**Unknown acute toxicity** No information available

##### Component Information

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

|  |                           |
|--|---------------------------|
| <b>Skin corrosion/irritation</b>         | No information available. |
| <b>Serious eye damage/eye irritation</b> | No information available. |
| <b>Respiratory or skin sensitization</b> | No information available. |
| <b>Germ cell mutagenicity</b>            | No information available. |
| <b>Carcinogenicity</b>                   | No information available. |

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|                                 |                           |
|---------------------------------|---------------------------|
| <b>Reproductive toxicity</b>    | No information available. |
| <b>STOT - single exposure</b>   | No information available. |
| <b>STOT - repeated exposure</b> | No information available. |
| <b>Aspiration hazard</b>        | No information available. |

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### 12. ECOLOGICAL INFORMATION

|                                      |   |
|--------------------------------------|---|
| <b>Ecotoxicity</b>                   | The environmental impact of this product has not been fully investigated. |
| <b>Persistence and Degradability</b> | No information available.   |
| <b>Bioaccumulation</b>               | No information available.   |
| <b>Other Adverse Effects</b>         | No information available.   |

### 13. DISPOSAL CONSIDERATIONS

#### Waste treatment methods

|  |   |
|--|---|
| <b>Waste from residues/unused products</b> | Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.               |
| <b>Contaminated packaging</b>              | Do not reuse empty containers. Empty containers should be taken to an approved waste handling site for recycling or disposal. |

### 14. TRANSPORT INFORMATION

|                   |               |
|-------------------|---------------|
| <b><u>TDG</u></b> | Not regulated |
| <b><u>DOT</u></b> | Not regulated |

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### 15. REGULATORY INFORMATION

#### Safety, health and environmental regulations/legislation specific for the substance or mixture

##### International Regulations

**The Montreal Protocol on Substances that Deplete the Ozone Layer** not applicable

**The Stockholm Convention on Persistent Organic Pollutants** not applicable

**The Rotterdam Convention** not applicable

##### International Inventories

|                      |                |
|----------------------|----------------|
| <b>TSCA</b>          | Complies       |
| <b>DSL/NDSL</b>      | Complies       |
| <b>EINECS/ELINCS</b> | Not determined |
| <b>ENCS</b>          | Not determined |
| <b>IECSC</b>         | Complies       |
| <b>KECL</b>          | Not determined |
| <b>PICCS</b>         | Not determined |
| <b>AICS</b>          | Complies       |

**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

**NFPA**                      **Health hazard** 1                      **Flammability** 1                      **Stability** 1



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### 16. OTHER INFORMATION

#### Key or legend to abbreviations and acronyms used in the safety data sheet

##### Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

|          |                       |       |                           |
|----------|-----------------------|-------|---------------------------|
| TWA:     | Time weighted average | STEL: | Short term exposure limit |
| Ceiling: | Maximum limit value:  | *     | Skin designation          |

##### Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)  
 U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 EPA (Environmental Protection Agency)  
 Acute Exposure Guideline Level(s) (AEGl(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 Japan GHS Classification  
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 NIOSH (National Institute for Occupational Safety and Health)  
 National Library of Medicine's ChemID Plus (NLM CIP)  
 National Library of Medicine's PubMed database (NLM PUBMED)  
 National Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)  
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications  
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program  
 Organization for Economic Co-operation and Development Screening Information Data Set  
 RTECS (Registry of Toxic Effects of Chemical Substances)  
 World Health Organization

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Revision Note Formulation.

#### Disclaimer

The information provided in this Material 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**