

# Safety Data Sheet

SDS No. 12158

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**DURALIFE® PMA VISCOSITY MODIFIER A 79 PMA VII**

**Product Use:** Viscosity Improvers

**Manufacturer:**

AMTECOL, Inc.

810 Wright Ave, Richmond, CA 94804, U.S.A.

[www.amtecol.com](http://www.amtecol.com)

**Transportation Emergency & Emergency spill information:**

Call CHEMTREC: (+1) 703-527-3887 (outside the U.S.), 1-800-424-9300 (in the U.S.)

**Health Emergency:** Amtecol Emergency Information Center: 1-866-268-1888

**Other Product Information:**

Technical Assistance/SDS info & Customer Service: 1-510-235-7979 Email: [info@amtecol.com](mailto:info@amtecol.com)

## SECTION 2. HAZARDS IDENTIFICATION

**Classified Hazards**

This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200 (2012)

Label Elements
No classified hazards

## SECTION 3. COMPOSITION INFORMATION/ INGREDIENTS

COMPONENTS	CAS NUMBER	% WEIGHT
HIGHLY REFINED BASE OILS	64742-54-7, 64742-65-0, 64742-55-8, 64742-56-9	20-30

## SECTION 4. FIRST AID MEASURES

**Eye Contact:**

Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses.

**Skin Contact:** Wash with soap and water. Get medical attention if symptoms occur. Launder contaminated clothing before reuse.

**Inhalation(Breathing) :** Remove exposed person to fresh air if adverse effects are observed.

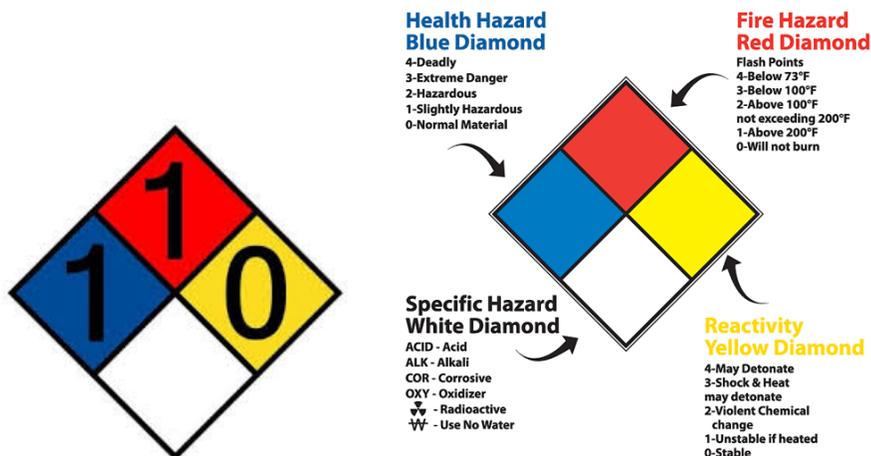
**Ingestion(Swallowing) :**If affected person is fully conscious, give one glass of water to drink.

Never give anything by mouth to an unconscious person. Get medical attention if symptoms appear.

## SECTION 5. FIREFIGHTING MEASURES

**Extinguishing Media:** Use dry chemical, foam, water fog or carbon dioxide CO<sub>2</sub> to extinguish flames.

**NFPA 704 HAZARD RATINGS:**



**General Fire Hazards:** No unusual fire or explosion hazards noted.

**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media:** CO<sub>2</sub>, Dry chemical or Foam. Water can be used to cool and protect exposed material.

**Unsuitable extinguishing media:** Not determined.

**Special protective equipment and precautions for firefighters**

**Special fire fighting procedures:** No data available.

**Special protective equipment for fire-fighters:** Wear full protective firegear including self-containing breathing apparatus operated in the positive pressure mode with full facepiece, coat, pants, gloves and boots.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

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

Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations. Ventilate area if spilled in confined space or other poorly ventilated areas.

**Environmental Precautions**

Avoid release to the environment. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages. Prevent further leakage or spillage if safe to do so.

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

Dike far ahead of larger spill for later recovery and disposal. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material.

**Reporting:** Follow prescribed procedures for reporting and responding to larger releases. Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.

## SECTION 7. HANDLING AND STORAGE

### Handling

#### General advice:

Observe good industrial hygiene practices. Provide adequate ventilation. Wear appropriate personal protective equipment.

**Maximum Handling Temperature:** 105 °C

### Storage

#### General advice, Storage incompatibility:

Store away from incompatible materials. See section 10 for incompatible materials.

**Maximum Storage Temperature:** 45 °C

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with occupational exposure limits

Distillates (petroleum), hydrotreated light paraffinic

OSHA PEL PEL 5 mg/m<sup>3</sup> Mist ;

ACGIH TLV ;TWA value 5 mg/m<sup>3</sup> Inhalable fraction

#### Advice on system design:

No applicable information available.

#### Personal protective equipment

##### Respiratory protection:

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-shields.

##### Body protection:

No applicable information available.

#### General safety and hygiene measures:

Wear protective clothing as necessary to minimize contact. Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance :</b> light yellow	<b>Pour Point :</b> < 12°F (- 11 °C)
<b>Odor :</b> Petroleum odor	<b>Flash Point :</b> Min 230°F (110 °C)
<b>Physical State :</b> Liquid	<b>Viscosity @ 100 °C :</b> 550.00 cSt
<b>Evaporation Rate (nBuAc=1):</b> N/A	<b>Vapor Pressure:</b> N/A
<b>Initial Boiling Point :</b> N/A	<b>Vapor Density (air=1):</b> N/A
<b>Melting Point :</b> Not Applicable(N/A)	<b>pH :</b> Not Applicable
<b>Specific Gravity :</b> 0.94	<b>Decomposition temperature:</b> No Data Available
<b>Flammability (solid, gas):</b> N/A	<b>Auto-ignition Temperature:</b> No data

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<b>Percent Volatile:</b> Negligible	<b>Solubility :</b> Soluble in hydrocarbons; insoluble in water
<b>Octanol/Water Partition Coefficient:</b> No data available	<b>Flammability (Explosive) Limits (% by volume in air):</b> Lower: Not Applicable Upper: Not Applicable

## SECTION 10. STABILITY AND REACTIVITY

### Conditions to avoid:

No conditions known that should be avoided.

### Substances to avoid:

strong oxidizing agents, strong bases, strong acids, reactive chemicals

### Hazardous reactions:

Stable under normal conditions.

No hazardous reactions known.

### Thermal decomposition:

Thermal decomposition or combustion may generate smoke, carbon monoxide, carbon dioxide, sulfur oxides, mercaptans, sulfides, including hydrogen sulfide and other products of incomplete combustion.

### Corrosion to metals:

No corrosive effect on metal.

### Oxidizing properties:

Not fire-propagating

## SECTION 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

#### Oral:

Product: LD 50 (Rat): > 5,000 mg/kg (Read across) Not classified

#### Inhalation:

No applicable information available.

#### Dermal:

Product: LD 50 (Rabbit): > 2,000 mg/kg (Read across) Not classified

#### Other Information:

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses

## SECTION 12. ECOLOGICAL INFORMATION

### Fish

#### Acute:

Product: LC 50 (Fathead Minnow, 4 d): 206 mg/l

Mineral Oil: LC 50 (Fathead Minnow, 96 h): > 100 mg/l

#### Aquatic invertebrates

#### Acute:

Mineral Oil:

EC 50 (Water flea (Daphnia magna), 48 h): > 10,000 mg/l

EC 50 (Water flea (Daphnia magna), 21 d): > 10 mg/l

NOEC (Water flea (Daphnia magna), 21 d): 10 mg/l

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## Aquatic plants

Mineral Oil:

EC 50 (Algae (*Pseudokirchneriella subcapitata*), 72 h): > 100 mg/l

NOEC (Algae (*Pseudokirchneriella subcapitata*), 72 h): >= 100 mg/l

**Toxicity to soil dwelling organisms:** No data available

**Sediment Toxicity:** No data available

**Toxicity to Terrestrial Plants:** No data available

**Toxicity to Above-Ground Organisms:** No data available

**Toxicity to microorganisms**

Product: EC 50 (Sludge, 0.1 d): > 1,000 mg/l

**Persistence and Degradability Biodegradation**

Mineral Oil :OECD TG 301 F, 31 %, 28 d, Not readily degradable.

**Bioaccumulative potential Bioconcentration Factor (BCF)** No data available

**Partition Coefficient n-octanol / water (log Kow)** No data available

**Mobility:** No data available

**Other adverse effects** No data available

## SECTION 13. DISPOSAL CONSIDERATIONS

### Waste disposal of substance:

Dispose of in accordance with national, state and local regulations. Do not discharge into drains/surface waters/groundwater.

### Container disposal:

Uncontaminated packaging can be re-used. Packs that cannot be cleaned should be disposed of in the same manner as the contents.

## SECTION 14. TRANSPORT INFORMATION

### U.S. Department of Transportation (DOT)

*Shipping Description:* Petroleum lubricating oil, not regulated as a hazardous material for transportation under 49 CFR

*Note:* If shipped by land in a packaging having a capacity of 3,500 gallons or more, the provisions of 49 CFR, Part 130 apply. (Contains oil)

### International Maritime Dangerous Goods (IMDG)

*Shipping Description:* Petroleum lubricating oil; not regulated as dangerous goods for transport under the IMDG code

*Note:* U.S. DOT compliance requirements may apply. See 49 CFR 171.22, 23 & 25.

### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

### International Civil Aviation Org. / International Air Transport Assoc. (ICAO/IATA)

*Shipping Description:* Petroleum lubricating oil; not regulated as dangerous goods for transport under the ICAO TI or IATA DGR

*Note:* U.S. DOT compliance requirements may apply. See 49 CFR 171.22, 23 & 24.

## SECTION 15. REGULATORY INFORMATION

### CERCLA/SARA - Section 302 Extremely Hazardous Substances and TPQs (in pounds):

This material does not contain any chemicals subject to the reporting requirements of SARA 302 and 40 CFR 372.

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## **CERCLA/SARA - Section 311/312 (Title III Hazard Categories)**

Acute (Immediate) Health Hazard: No  
Chronic (Delayed) Health Hazard: No  
Fire Hazard: No  
Pressure Hazard: No  
Reactive Hazard: No

## **REGULATORY LISTS SEARCHED:**

01-1=IARC Group 1  
01-2A=IARC Group 2A  
01-2B=IARC Group 2B  
02=NTP Carcinogen  
03=EPCRA 313  
04=CA Proposition 65  
05=MA RTK  
06=NJ RTK  
07=PA RTK

No components of this material were found on the regulatory lists above.

## **CERCLA/SARA - Section 313 and 40 CFR 372:**

This material does not contain any chemicals subject to the reporting requirements of SARA 313 and 40 CFR 372.

## **EPA (CERCLA) Reportable Quantity (in pounds):**

This material does not contain any chemicals with CERCLA Reportable Quantities.

## **California Proposition 65:**

This material does not contain any chemicals which are known to the State of California to cause cancer, birth defects or other reproductive harm at concentrations that trigger the warning requirements of California Proposition 65.

## **National Chemical Inventories:**

All components comply with the following chemical inventory requirements: AICS (Australia), DSL(Canada), EINECS (European Union), ENCS (Japan), IECSC (China), KECI (Korea), PICCS (Philippines), TSCA (United States).

## **WHMIS Hazard Class:**

None

**U.S. Export Control Classification Number:** EAR99

## **SECTION 16. OTHER INFORMATION**

**HMIS RATINGS:** Health: 1 Flammability: 1 Reactivity: 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, \*- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

## **Health and Environmental Label Language**

**CAUTION :** Contains Petroleum Lubricant. Repeated skin contact can cause skin disorders .

**ATTENTION :** Used motor oil is a possible skin cancer hazard based on animal data. Repeated exposure to oil mist in excess of the OSHA limit (5mg/m<sup>3</sup>) can result in accumulation of oil

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droplets in pulmonary tissue .

**PRECAUTIONARY MEASURES :** Avoid excessive & prolonged skin contact. Wash thoroughly after handling. Avoid generation and inhalation of oil mists .

**INSTRUCTIONS IN CASE OF FIRE OR SPILL :** In case of fire, use water spray, foam, dry chemical or carbon dioxide. Water spray may be ineffective, but can be used to cool containers. In case of spill, do not use water, soak up with absorbent material .

**DON'T POLLUTE, CONSERVE RESOURCES, RETURN USED OIL TO COLLECTION CENTER .**

## ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

OSHA - Occupational Safety and Health Administration	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
ACGIH - American Conference of Government Industrial Hygienists	CAS - Chemical Abstract Service Number
GHS - Globally Harmonized System	SDS - Safety Data Sheet
API - American Petroleum Institute	IMO/IMDG - International Maritime Dangerous Goods Code
DOT - Department of Transportation (USA)	NCEL - New Chemical Exposure Limit
IARC - International Agency for Research on Cancer	NFPA - National Fire Protection Association (USA)
EPA - Environmental Protection Agency	SCBA - Self-Contained Breathing Apparatus
TLV - Threshold Limit Value	NTP - National Toxicology Program (USA)
HMIS -Hazardous Materials Identification System	WHMIS -Workplace Hazardous Materials Information System
NIOSH-National Institute for Occupational Safety and Health	TSCA-Toxic Substances Control Act
CASRN - Chemical Abstracts Service Registry Number	CERCLA - The Comprehensive Environmental Response, Compensation, and Liability Act
INSHT - National Institute for Health and Safety at Work	IOPC - International Oil Pollution Compensation
LEL - Lower Explosive Limit	NE - Not Established
SARA - Superfund Amendments and Reauthorization Act	UEL - Upper Explosive Limit

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**Disclaimer of Warranty :** The above information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.



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