



# Material Safety Data Sheet

## Section 1. Chemical Product and Company Identification

|                      |   |                             |                         |
|----------------------|---|-----------------------------|-------------------------|
| <b>Common Name</b>   | <b>BRAYCO 481</b>   | <b>Code</b>                 | 27015-AW                |
| <b>Supplier</b>      | Air BP Lubricants<br>Maple Plaza II - 1N, Six Campus Drive<br>Parsippany, NJ 07054 U.S.A.<br>Product Information: 1-(866) 4 BP -MSDS (1-866-427-6737) | <b>Validation Date</b>      | 04/18/2002.             |
| <b>Synonym</b>       | Not available.  | <b>Print Date</b>           | 04/18/2002.             |
| <b>Trade name</b>    | BRAYCO IS REGISTERED IN THE U.S. PATENT AND TRADEMARK OFFICE.   | <b>Responsible Name</b>     | Product Stewardship     |
| <b>Material Uses</b> | Industrial applications   | <b>In Case of Emergency</b> | CHEMTREC (800) 424-9300 |
| <b>Manufacturer</b>  | Air BP Lubricants<br>Maple Plaza II -1N, Six Campus Drive<br>Parsippany, NJ 07054 U.S.A   |                             |                         |

## Section 2. Composition, Information on Ingredients

| Name   | CAS #      | % by Weight | Exposure Limits   |
|--|------------|-------------|---|
| DISTILLATES, PETROLEUM, SOLVENT-REFINED HEAVY PARAFFINIC | 64741-88-4 | 70-75       | <b>ACGIH (United States).</b><br>TWA: 5 mg/m <sup>3</sup> Form: Mist<br><b>OSHA (United States).</b><br>TWA: 5 mg/m <sup>3</sup> Form: Mist<br><b>ACGIH (United States).</b><br>STEL: 10 mg/m <sup>3</sup> Form: Mist |
| DISTILLATES, PETROLEUM, HYDROTREATED HEAVY PARAFFINIC    | 64742-54-7 | 10-15       | <b>ACGIH (United States).</b><br>TWA: 5 mg/m <sup>3</sup> Form: Mist<br><b>OSHA (United States).</b><br>TWA: 5 mg/m <sup>3</sup> Form: Mist<br><b>ACGIH (United States).</b><br>STEL: 10 mg/m <sup>3</sup> Form: Mist |

## Section 3. Hazards Identification

|                                       |   |
|---------------------------------------|---|
| <b>Physical State and Appearance</b>  | Liquid.<br>Hydrocarbon. Odor<br>Brown. Liquid.  |
| <b>Emergency Overview</b>             | CAUTION<br>MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION.<br>Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling. Do not ingest.                               |
| <b>Routes of Entry</b>                | Absorbed through skin. Eye contact. Inhalation.   |
| <b>Potential Acute Health Effects</b> | <b>Eyes</b> Moderately irritating to the eyes.<br><b>Skin</b> Moderately irritating to the skin.<br><b>Inhalation</b> Moderately irritating to the respiratory system.<br><b>Ingestion</b> Ingestion may cause gastrointestinal irritation and diarrhea.<br>No additional remark. |

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|   |   |
|---|---|
| <b>Potential Chronic Health Effects</b>               | <p><b>☑ CARCINOGENIC EFFECTS:</b> No component of this product at levels greater than 0.1% is identified as a carcinogen by ACGIH or International Agency for Research on Cancer (IARC).</p> <p><b>MUTAGENIC EFFECTS:</b> No component of this product at levels greater than 0.1% is classified by established regulatory criteria as a mutagen.</p> <p><b>TERATOGENIC EFFECTS:</b> No component of this product at levels greater than 0.1% is classified by established regulatory criteria as teratogenic or embryotoxic.</p> |
| <b>Medical Conditions Aggravated by Overexposure:</b> | Repeated or prolonged exposure is not known to aggravate medical condition.   |
| <b>Overexposure /Signs/Symptoms</b>                   | Not available.  |
| <b>See Toxicological Information (section 11)</b>     |   |

#### Section 4. First Aid Measures

|                           |  |
|---------------------------|--|
| <b>Eye Contact</b>        | Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.   |
| <b>Skin Contact</b>       | In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.                                   |
| <b>Inhalation</b>         | If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.   |
| <b>Ingestion</b>          | Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband. |
| <b>Notes to Physician</b> | Not available.   |

#### Section 5. Fire Fighting Measures

|  |  |
|--|--|
| <b>Flammability of the Product</b>                         | May be combustible at high temperature.  |
| <b>Autoignition Temperature</b>                            | Not available.   |
| <b>Flash Points</b>  | ☑ OPEN CUP: 204.44°C (400°F) (Cleveland.).   |
| <b>Flammable Limits</b>                                    | Not available.   |
| <b>Products of Combustion</b>                              | ☑ carbon oxides (CO, CO <sub>2</sub> ), sulfur oxides (SO <sub>2</sub> , SO <sub>3</sub> ...).   |
| <b>Fire Hazards in Presence of Various Substances</b>      | ☑ Slightly flammable to flammable in presence of open flames, sparks and static discharge, of heat.  |
| <b>Explosion Hazards in Presence of Various Substances</b> | Non-explosive in presence of open flames, sparks and static discharge, of shocks.  |
| <b>Fire Fighting Media and Instructions</b>                | <p>SMALL FIRE: Use DRY chemical powder.</p> <p>LARGE FIRE: Use water spray, fog or foam. Do not use water jet.</p> <p>☑ Cool closed containers exposed to fire with water.</p> |
| <b>Protective Clothing (Fire)</b>                          | Be sure to use an approved/certified respirator or equivalent.   |
| <b>Special Remarks on Fire Hazards</b>                     | ☑ Not available.   |
| <b>Special Remarks on Explosion Hazards</b>                | Not available.   |

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### Section 6. Accidental Release Measures

|                             |  |
|-----------------------------|--|
| <b>Small Spill and Leak</b> | Absorb with an inert material and put the spilled material in an appropriate waste disposal.   |
| <b>Large Spill and Leak</b> | Absorb with an inert material and put the spilled material in an appropriate waste disposal. Do not allow to enter drains or watercourses. |

### Section 7. Handling and Storage

Avoid contact with eyes, skin and clothing. Avoid breathing vapors or spray mists. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling. Do not ingest.

Keep container tightly closed. Keep container in a cool, well-ventilated area. Avoid contact with strong oxidizers, excessive heat, sparks or open flame. Empty containers may contain harmful, flammable/combustible or explosive residue or vapors. Do not cut, grind, drill, weld, reuse or dispose of containers unless adequate precautions are taken against these hazards.

### Section 8. Exposure Controls, Personal Protection

|                             |   |
|-----------------------------|---|
| <b>Engineering Controls</b> | Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location. |
|-----------------------------|---|

#### Personal Protection

**Eyes** Safety glasses.

**Body** Synthetic apron.

Wear appropriate protective clothing to prevent skin contact.

**Respiratory** Respiratory protection is not required for the use of this product. Wear appropriate respirator when ventilation is inadequate.

**Hands** Impervious gloves.

**Feet** Not applicable.

#### Protective Clothing (Pictograms)



**Personal Protection in Case of a Large Spill** Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

#### Product Name

DISTILLATES, PETROLEUM, SOLVENT-REFINED HEAVY PARAFFINIC

#### Exposure Limits

**ACGIH (United States).**

TWA: 5 mg/m<sup>3</sup> Form: Mist **OSHA (United States).**

TWA: 5 mg/m<sup>3</sup> Form: Mist **ACGIH (United States).**

STEL: 10 mg/m<sup>3</sup> Form: Mist

DISTILLATES, PETROLEUM, HYDROTREATED HEAVY PARAFFINIC

**ACGIH (United States).**

TWA: 5 mg/m<sup>3</sup> Form: Mist **OSHA (United States).**

TWA: 5 mg/m<sup>3</sup> Form: Mist **ACGIH (United States).**

STEL: 10 mg/m<sup>3</sup> Form: Mist

Consult local authorities for acceptable exposure limits.

**Section 9. Physical and Chemical Properties**

|                                      |                          |                   |                   |
|--------------------------------------|--------------------------|-------------------|-------------------|
| <b>Physical State and Appearance</b> | Liquid.                  | <b>Odor</b>       | Hydrocarbon. Odor |
| <b>Boiling/Condensation Point</b>    | >260°C (500°F)           | <b>Taste</b>      | Not available.    |
| <b>Melting/Freezing Point</b>        | Not available.           | <b>Color</b>      | Brown. Liquid.    |
| <b>pH Concentrate</b>                | Not applicable.          |                   |                   |
| <b>pH Dilution % and Value</b>       | Not applicable.          |                   |                   |
| <b>Critical Temperature</b>          | Not available.           |                   |                   |
| <b>Specific Gravity</b>              | 0.88 to 0.9 (Water = 1)  |                   |                   |
| <b>Vapor Pressure</b>                | Not available.           |                   |                   |
| <b>Vapor Density</b>                 | Not available.           |                   |                   |
| <b>Volatility</b>                    | Not available.           |                   |                   |
| <b>Odor Threshold</b>                | Not available.           |                   |                   |
| <b>Evaporation Rate</b>              | Not available.           |                   |                   |
| <b>VOC</b>                           | Not available.           | <b>VOC Method</b> | Not available.    |
| <b>Viscosity</b>                     | Not available.           |                   |                   |
| <b>Solubility</b>                    | Insoluble in cold water. |                   |                   |
| <b>Physical Chemical Comments</b>    | Not available.           |                   |                   |

**Section 10. Stability and Reactivity**

|  |  |
|--|--|
| <b>Stability and Reactivity</b>                | The product is stable.   |
| <b>Conditions of Instability</b>               | <input checked="" type="checkbox"/> Avoid excessive heat.  |
| <b>Incompatibility with Various Substances</b> | Reactive with oxidizing agents.  |
| <b>Hazardous Decomposition Products</b>        | <input checked="" type="checkbox"/> Carbon oxides (CO, CO <sub>2</sub> ), sulfur oxides (SO <sub>2</sub> , SO <sub>3</sub> ...). |
| <b>Hazardous Polymerization</b>                | Will not occur.  |

**Section 11. Toxicological Information**

|                                  |   |
|----------------------------------|---|
| <b>Toxicity to Animals</b>       | LD50: Not available.<br>LC50: Not available.  |
| <b>Chronic Effects on Humans</b> | <input checked="" type="checkbox"/> <b>CARCINOGENIC EFFECTS:</b> No component of this product at levels greater than 0.1% is identified as a carcinogen by ACGIH or International Agency for Research on Cancer (IARC).<br><b>MUTAGENIC EFFECTS:</b> No component of this product at levels greater than 0.1% is classified by established regulatory criteria as a mutagen.<br><b>TERATOGENIC EFFECTS:</b> No component of this product at levels greater than 0.1% is identified as a carcinogen by ACGIH or International Agency for Research on Cancer (IARC).<br><b>DEVELOPMENTAL TOXICITY:</b> Not available. |

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|   |   |
|---|---|
| <b>Other Toxic Effects on Humans</b>                    | Hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation (lung irritant). |
| <b>Special Remarks on Toxicity to Animals</b>           | Not available.  |
| <b>Special Remarks</b>                                  | No additional remark.   |
| <b>Special Remarks on Other Toxic Effects on Humans</b> | No additional remark.   |

### Section 12. Ecological Information

|  |  |
|--|--|
| <b>Ecotoxicity</b>                                       | Not available.   |
| <b>BOD and COD</b>                                       | Not available.   |
| <b>Biodegradable/OECD</b>                                | Not available.   |
| <b>Mobility</b>  | Not available.   |
| <b>Products of Degradation</b>                           | Smoke, fumes, CO, CO <sub>2</sub> ; minor amounts of various hydrocarbons. sulfur oxides (SO <sub>2</sub> , SO <sub>3</sub> ...) |
| <b>Toxicity of the Products of Biodegradation</b>        | Not available.   |
| <b>Special Remarks on the Products of Biodegradation</b> | Not available.   |

### Section 13. Disposal Considerations

|   |  |
|---|--|
| <b>Waste Information</b>  | Type: Non-hazardous chemical waste.<br>Location: not available<br>Classification: not available<br>Disposal.: Waste must be disposed of in accordance with federal, state and local environmental control regulations.<br>Storage: not available<br>Recycling: not available |
| <input checked="" type="checkbox"/> Keep out of waterways. Dispose of according to all federal, state and local applicable regulations. |  |
| <b>RCRA Waste Code(s)</b>   | <input checked="" type="checkbox"/> USED OIL   |
| <b>Waste Stream</b>   | Not available.   |
| <b>Consult your local or regional authorities.</b>  |  |

### Section 14. Transport Information

|   |  |  |
|---|--|--|
| <b>DOT Classification</b>               | - Not a DOT controlled material (United States).                   |  |
|   | Not regulated.   |  |
| <b>Marine Pollutant</b>                 | Not pollutant.   |  |
| <b>Special Provisions for Transport</b> | Petroleum oil, not regulated in containers less than 3500 gallons. |  |
| <b>ADR/RID Classification</b>           | <input checked="" type="checkbox"/> Not determined.                |  |

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**IMO/IMDG Classification** Not determined.

**ICAO/IATA Classification** Not determined.

**Section 15. Regulatory Information**

**U.S. Federal Regulations**

SARA 302/304 emergency planning and notification: No products were found.  
 SARA 311/312 MSDS distribution - chemical inventory - hazard identification: BRAYCO 481: immediate health hazard.  
 SARA 313 toxic chemical notification and release reporting: No products were found.  
 Clean Water Act (CWA) 307: ZINC, BIS(DIPENTYLCARBAMODITHIOATO-S,S')-, (T-4)-  
 Clean Water Act (CWA) 311: No products were found.  
 Clean air act (CAA) 112 accidental release prevention: No products were found.  
 Clean air act (CAA) 112 regulated toxic substances: No products were found.  
 Clean air act (CAA) 112 regulated flammable substances: No products were found.

**State Regulations**

No products were found.  
 California prop. 65: No products were found.

**Inventory Lists**

OSHA 8(b) inventory: All components of this product are listed on (or meet the exemption requirements of) the applicable inventory list.  
 CEPA DSL: One or more of the materials contained in this product may not appear on the applicable inventory list. Please consult the manufacturer for additional information.  
 Australia (NICNAS): One or more of the materials contained in this product may not appear on the applicable inventory list. Please consult the manufacturer for additional information.  
 Korea (TCCL): One or more of the materials contained in this product may not appear on the applicable inventory list. Please consult the manufacturer for additional information.  
 Philippines (RA6969): One or more of the materials contained in this product may not appear on the applicable inventory list. Please consult the manufacturer for additional information.  
 MITI: One or more of the materials contained in this product may not appear on the applicable inventory list. Please consult the manufacturer for additional information.  
 EINECS: One or more of the materials contained in this product may not appear on the applicable inventory list. Please consult the manufacturer for additional information.

**Section 16. Other Information**

**Label Requirements** MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION.

**Hazardous Material Information System (U.S.A.)**

|                     |   |
|---------------------|---|
| Health              | 1 |
| Fire Hazard         | 1 |
| Reactivity          | 0 |
| Personal Protection | C |

**National Fire Protection Association (U.S.A.)**



**References** Not available.

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**Other Special Considerations**

PETROLEUM OIL: STEL = 10 mg/M3. Using terminology of the International Agency for Research on Cancer (IARC), the petroleum distillates listed in Section II are classified by the supplier as severely processed. Not all those listed in Section II may be present. The supplier has stated that these distillates do not require a carcinogen label as defined by OSHA 29 CFR 1910.1200. No component known to be present in this product at >0.1% is presently listed as a carcinogen by IARC, NTP or OSHA.

This product is a mixture and is NOT listed in the TSCA Inventory. The individual ingredients in the product are listed in the TSCA Inventory.

Validated by Product Stewardship on 04/18/2002.

Printed 04/18/2002.

CHEMTREC (800) 424-9300

**Notice to Reader**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*