



# Material Safety Data Sheet

## Section 1. Chemical Product and Company Identification

<b>Common Name</b>	<b>BRAYCO 460</b>	<b>Code</b>	27014-AW
<b>Supplier</b>	Air BP Lubricants Maple Plaza II - 1N, Six Campus Drive Parsippany, NJ 07054 U.S.A. Product Information: 1-(866) 4 BP - MSDS (866-427-6737)	<b>Validation Date</b>	06/17/2003
<b>Synonym</b>	Not available.	<b>Print Date</b>	06/17/2003
<b>Trade name</b>	Not available.	<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 Maple Plaza II -1, Six Campus Drive Parsippany, NJ 07054 U.S.A.		

## Section 2. Composition, Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits
DISTILLATES, PETROLEUM, HYDROTREATED LIGHT NAPHTHENIC	64742-53-6	1-5	<b>ACGIH (United States).</b> TWA: 5 mg/m <sup>3</sup> 8 hour(s). Form: Oil mist, mineral <b>OSHA (United States).</b> TWA: 5 mg/m <sup>3</sup> 8 hour(s). Form: Oil mist, mineral
DISTILLATES, PETROLEUM, HYDROTREATED MIDDLE	64742-46-7	95-100	<b>ACGIH (United States).</b> STEL: 10 mg/m <sup>3</sup> 15 minute(s). Form: Oil mist, mineral <b>ACGIH (United States).</b> TWA: 5 mg/m <sup>3</sup> 8 hour(s). Form: Mist <b>OSHA (United States).</b> TWA: 5 mg/m <sup>3</sup> 8 hour(s). Form: Mist <b>ACGIH (United States).</b> STEL: 10 mg/m <sup>3</sup> 15 minute(s). Form: Mist

## Section 3. Hazards Identification

<b>Physical state / Appearance</b>	Liquid. Hydrocarbon. Odor (Slight.) Clear. Amber. Liquid.
<b>Emergency Overview</b>	<b>CAUTION!</b> MAY CAUSE EYE AND SKIN IRRITATION. MIST: MAY CAUSE RESPIRATORY TRACT IRRITATION.  Avoid contact with skin and eyes. Wash thoroughly after handling. Do not ingest. However, in light of good industrial hygiene, exposure to any chemical should be kept to a minimum.
<b>Routes of Entry</b>	Skin Contact. Eye contact. Inhalation. Ingestion.
<b>Potential Acute Health Effects</b>	<i>Eyes</i> May cause eye irritation. <i>Skin</i> May cause skin irritation.

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**Inhalation** Vapor: Solution may cause irritation of mouth, throat, and esophagus. High vapor concentrations can cause headaches, dizziness, drowsiness, and nausea, and may lead to unconsciousness. Vapor: Prolonged repeated exposure may cause chemical pneumonitis.

**Ingestion** Oral LD50: Not established. Ingestion may cause gastrointestinal irritation and diarrhea.

No additional remark.

**Potential Chronic Health Effects** Prolonged or repeated contact can defat the skin and lead to irritation and/or dermatitis.  
**CARCINOGENIC EFFECTS:** No component of this product at levels greater than 0.1% is identified as a carcinogen by ACGIH or the International Agency for Research on Cancer (IARC). No component of this product present at levels greater than 0.1% is identified as a carcinogen by the U.S. National Toxicology Program (NTP) or the U.S. Occupational Safety and Health Act (OSHA).  
**MUTAGENIC EFFECTS:** No component of this product at levels greater than 0.1% is classified by established regulatory criteria as a mutagen.  
**TERATOGENIC EFFECTS:** No component of this product at levels greater than 0.1% is classified by established regulatory criteria as teratogenic or embryotoxic.

**Medical Conditions Aggravated by Overexposure:** Repeated or prolonged exposure is not known to aggravate medical condition.

**Overexposure /Signs/Symptoms** Not available.

See Toxicological Information (section 11)

#### Section 4. First Aid Measures

<b>Eye Contact</b>	Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention.
<b>Skin Contact</b>	Wash contaminated skin with soap and water. Get medical attention if irritation develops. Wash clothing before reuse.
<b>Inhalation</b>	Breathing difficulty or Respiratory tract irritation: Remove to fresh air. If the victim is not breathing, perform mouth-to-mouth resuscitation. If breathing is difficult, give oxygen. Get medical attention immediately.
<b>Ingestion</b>	If affected person is conscious, give plenty of water to drink. NEVER give an unconscious person anything to ingest. Do not induce vomiting. ASPIRATION HAZARD. If vomiting occurs, keep head lower than hips to help prevent aspiration. Get medical attention immediately.
<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 Point</b>	OPEN CUP: 143°C (289.4°F) (Cleveland.).
<b>Flammable Limits</b>	Not available.
<b>Products of Combustion</b>	These products are carbon oxides (CO, CO <sub>2</sub> ).
<b>Fire Hazards in Presence of Various Substances</b>	Slightly flammable to flammable in presence of open flames, sparks and static discharge, of shocks, of heat, of oxidizing materials.
<b>Explosion Hazards in Presence of Various Substances</b>	This material is not explosive as defined by established regulatory criteria.
<b>Fire Fighting Media and Instructions</b>	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam.  Cool closed containers exposed to fire with water. Hot containers may explode. Use water spray to keep fire exposed containers cool. Do not use water jet.
<b>Protective Clothing (Fire)</b>	Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

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Special Remarks on Fire Hazards None identified.

Special Remarks on Explosion Hazards None identified.

### Section 6. Accidental Release Measures

Small Spill and Leak	Absorb with an inert material and put the spilled material in an appropriate waste disposal. Do not allow any potentially contaminated water including rain water, runoff from fire fighting or spills to enter any waterway, sewer or drain.
Large Spill and Leak	Absorb with an inert material and put the spilled material in an appropriate waste disposal. Do not allow any potentially contaminated water including rain water, runoff from fire fighting or spills to enter any waterway, sewer or drain.

### Section 7. Handling and Storage

Mist/Aerosol.: Over-exposure by inhalation may cause respiratory irritation. However, in light of good industrial hygiene, exposure to any chemical should be kept to a minimum. Do not ingest. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Keep container in a cool, well-ventilated area. 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 and Personal Protection

**Engineering Controls** Mist/Aerosol.: Over-exposure by inhalation may cause respiratory irritation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. However, in light of good industrial hygiene, exposure to any chemical should be kept to a minimum.

#### Personal Protection

**Eyes** Safety glasses with side shields. OR Chemical splash goggles.

**Body** Avoid prolonged or repeated contact with skin. Wear clothing and footwear that cannot be penetrated by chemicals or oil.

**Respiratory** A respirator is not needed under normal and intended conditions of product use. 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

#### Exposure Limits

DISTILLATES, PETROLEUM, HYDROTREATED LIGHT NAPHTHENIC

##### ACGIH (United States).

TWA: 5 mg/m<sup>3</sup> 8 hour(s). Form: Oil mist, mineral

##### OSHA (United States).

TWA: 5 mg/m<sup>3</sup> 8 hour(s). Form: Oil mist, mineral

##### ACGIH (United States).

STEL: 10 mg/m<sup>3</sup> 15 minute(s). Form: Oil mist, mineral

DISTILLATES, PETROLEUM, HYDROTREATED MIDDLE

##### ACGIH (United States).

TWA: 5 mg/m<sup>3</sup> 8 hour(s). Form: Mist

##### OSHA (United States).

TWA: 5 mg/m<sup>3</sup> 8 hour(s). Form: Mist

##### ACGIH (United States).

STEL: 10 mg/m<sup>3</sup> 15 minute(s). Form: Mist

Consult local authorities for acceptable exposure limits.

**Section 9. Physical and Chemical Properties**

Physical state / Appearance	Liquid.	Odor	Hydrocarbon. Odor (Slight.)
Boiling/Condensation Point	Not available.	Taste	Not available.
Melting/Freezing Point	Not available.	Color	Clear. Amber. Liquid.
pH ( Concentration )	Not applicable.		
pH Dilution % and Value	Not available.		
Critical Temperature	Not available.		
Specific Gravity	0.866 to 0.886 (Water = 1)		
Vapor Pressure	Not available.		
Vapor Density	Not available.		
Volatility	Not available.		
Odor Threshold	Not available.		
Evaporation Rate	<0.01		
VOC	Not available.	VOC Method	Not available.
Viscosity	Kinetic (40C): 10 cSt (minimum)		
Solubility	Insoluble in cold water.		
Physical Chemical Comments	Not available.		

**Section 10. Stability and Reactivity**

Stability and Reactivity	The product is stable.
Conditions of Instability	Avoid excessive heat.
Incompatibility with Various Substances	Strong oxidizing materials
Hazardous Decomposition Products	carbon oxides (CO, CO <sub>2</sub> ), sulfur oxides (SO <sub>2</sub> , SO <sub>3</sub> ...), nitrogen oxides (NO, NO <sub>2</sub> ...)
Hazardous Polymerization	Will not occur.

**Section 11. Toxicological Information**

Toxicity to Animals	LD50: Not available. LC50: Not available.
Chronic Effects on Humans	Prolonged or repeated contact can defat the skin and lead to irritation and/or dermatitis. <b>CARCINOGENIC EFFECTS:</b> No component of this product at levels greater than 0.1% is identified as a carcinogen by ACGIH or the International Agency for Research on Cancer (IARC). No component of this product present at levels greater than 0.1% is identified as a carcinogen by the U.S. National Toxicology Program (NTP) or the U.S. Occupational Safety and Health Act (OSHA). <b>MUTAGENIC EFFECTS:</b> No component of this product at levels greater than 0.1% is classified by established regulatory criteria as a mutagen. <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.

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**REPRODUCTIVE EFFECTS:** No component of this product at levels greater than 0.1% is classified by established regulatory criteria as a reproductive toxin.

**Other Toxic Effects on Humans** No specific information is available in our database regarding the other toxic effects of this material for humans.

**Special Remarks on Toxicity to Animals** No additional remark.

**Special Remarks on Chronic Effects on Humans** No additional remark.

**Special Remarks on Other Toxic Effects on Humans** No additional remark.

### Section 12. Ecological Information

**Ecotoxicity** Not determined.

**BOD and COD** Not determined.

**Biodegradable/OECD** Not determined.

**Mobility** Not determined.

**Products of Degradation** carbon oxides (CO, CO<sub>2</sub>), sulfur oxides (SO<sub>2</sub>, SO<sub>3</sub>...), nitrogen oxides (NO, NO<sub>2</sub>...)

**Toxicity of the Products of Biodegradation** Not determined.

**Special Remarks on the Products of Biodegradation** No additional remark.

### Section 13. Disposal Considerations

**Waste Information** Waste must be disposed of in accordance with federal, state and local environmental control regulations. Keep out of waterways. Disposal of this material to the land may be banned by federal law (40 CFR 268).

**RCRA Waste Code(s)** USED OIL

**Waste Stream** Not determined.

Consult your local or regional authorities.

### Section 14. Transport Information

**DOT Classification** Not a DOT controlled material (United States).

**Marine Pollutant** Not pollutant.

**Special Provisions for Transport** Not available.

**ADR/RID Classification** Not regulated.

**IMO/IMDG Classification** Not regulated.

**ICAO/IATA Classification** Not regulated.

**Section 15. Regulatory Information**

**U.S. Federal Regulations** No products were found.  
 SARA 302/304 emergency planning and notification: No products were found.  
 SARA 311/312 MSDS distribution - chemical inventory - hazard identification: BRAYCO 460: immediate health hazard.  
 SARA 313 toxic chemical notification and release reporting: No products were found.  
 Clean Water Act (CWA) 307: No products were found.  
 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** TSCA 8(b) inventory: In compliance.  
 CEPA DSL: In compliance.  
 Australia (NICNAS): In compliance.  
 Korea (TCCL): In compliance.  
 Philippines (RA6969): In compliance.  
 MITI: In compliance.  
 EINECS: In compliance.

**Section 16. Other Information**

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

<b>Hazardous Material Information System (U.S.A.)</b>	Health	1	<b>National Fire Protection Association (U.S.A.)</b>
	Fire Hazard	1	
	Reactivity	0	
	Personal Protection	b	



**References** Not available.

**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.

Validated by Product Stewardship on 06/17/2003.

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CHEMTREC (800) 424-9300

Notice to Reader

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*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.*