



# Material Safety Data Sheet

## Section 1. Chemical Product and Company Identification

Common Name	<b>BRAYCO MICRONIC 882 NASA</b>	Code	27070-AW
Supplier	Air BP Lubricants Maple Plaza II -1N, Six Campus Drive Parsippany, NJ 07054 U.S.A. Product Information: (866) 4 BP - MSDS (866) 427-6737	Validation Date	04/24/2003
Synonym	Not available.	Print Date	04/24/2003
Trade name	Not available.	Responsible Name	Product Stewardship
Material Uses	Industrial applications	In Case of Emergency	CHEMTREC (800) 424-9300
Manufacturer	Air BP Lubricants Maple Plaza II - 1N, Six Campus Drive Parsippany, NJ 07054 U.S.A.		

## Section 2. Composition, Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits
DECENE, TETRAMER, MIXED WITH 1-DECENETRIMER, HYDROGENATED	68649-12-7	60-65	<b>ACGIH TLV (United States).</b> TWA: 5 mg/m <sup>3</sup> 8 hour(s). Form: Mist

## Section 3. Hazards Identification

Physical state / Appearance	Liquid. Mild. Petroleum Odor Red. Liquid.
Emergency Overview	<b>CAUTION!</b> <b>MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION.</b>  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.
Routes of Entry	Skin Contact. Eye contact. Inhalation. Ingestion.
Potential Acute Health Effects	<i>Eyes</i> <b>M</b> ay cause eye irritation. <i>Skin</i> May cause skin irritation. <i>Inhalation</i> 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. <i>Ingestion</i> 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. <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.
Medical Conditions Aggravated by Overexposure:	Repeated or prolonged exposure is not known to aggravate medical condition.

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Overexposure /Signs/Symptoms Not available.  
See Toxicological Information (section 11)

#### Section 4. First Aid Measures

Eye Contact	Flush with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention.
Skin Contact	Wash contaminated skin with soap and water. Get medical attention if irritation develops. Wash clothing before reuse.
Inhalation	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.
Ingestion	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.
Notes to Physician	Not available.

#### Section 5. Fire Fighting Measures

Flammability of the Product	May be combustible at high temperature.
Autoignition temperature	Not available.
Flash Point	OPEN CUP: 205°C (401°F) (Cleveland.).
Flammable Limits	Not available.
Products of Combustion	These products are carbon oxides (CO, CO <sub>2</sub> ).
Fire Hazards in Presence of Various Substances	Slightly flammable to flammable in presence of open flames, sparks and static discharge, of shocks, of heat, of oxidizing materials.
Explosion Hazards in Presence of Various Substances	This material is not explosive as defined by established regulatory criteria.
Fire Fighting Media and Instructions	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.
Protective Clothing (Fire)	Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.
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

1-DECENE, TETRAMER, MIXED WITH  
1-DECENETRIMER, HYDROGENATED

#### Exposure Limits

**ACGIH TLV (United States).**  
TWA: 5 mg/m<sup>3</sup> 8 hour(s). Form: Mist

Consult local authorities for acceptable exposure limits.

### Section 9. Physical and Chemical Properties

Physical state / Appearance	Liquid.	Odor	Mild. Petroleum Odor
Boiling/Condensation Point	Not available.	Taste	Not available.
Melting/Freezing Point	Not available.	Color	Red. Liquid.
pH ( Concentration )	Not available.		
pH Dilution % and Value	Not available.		
Critical Temperature	Not available.		

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Specific Gravity	0.833 to 0.849 (Water = 1)		
Vapor Pressure	Not available.		
Vapor Density	Not available.		
Volatility	Not available.		
Odor Threshold	Not available.		
Evaporation Rate	Not available.		
VOC	Not available.	VOC Method	Not available.
Viscosity	Kinetic (40C): 14 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	Reactive with oxidizing agents, reducing agents, alkalis.
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. 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. 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	<input type="checkbox"/>	
	<input checked="" type="checkbox"/> Environmentally hazardous substance, liquid, n.o.s. (Triphenyl phosphate/tert-butylated triphenyl phosphates mixtures containing 10% to 48% triphenyl phosphates), 9, UN3082, III	
Marine Pollutant	<input checked="" type="checkbox"/> DOT Class: Marine Pollutant. (Marine pollutant (PP))	
Special Provisions for Transport	<input checked="" type="checkbox"/> Not available.	
ADR/RID Classification	Not determined.	
IMO/IMDG Classification	<input checked="" type="checkbox"/> Environmentally hazardous substances, liquid, n.o.s. (Triphenyl phosphate/tert-butylated triphenyl phosphates mixtures containing 10% to 48% triphenyl phosphate), 9, UN3082, III	
ICAO/IATA Classification	<input checked="" type="checkbox"/> Environmentally hazardous substances, liquid, n.o.s. (Triphenyl phosphate/tert-butylated triphenyl phosphates mixtures containing 10% to 48% triphenyl phosphates), 9, UN3082, III	

**Section 15. Regulatory Information**

U.S. Federal Regulations	<input checked="" type="checkbox"/> SCA 8(d) H and S data reporting: PHOSPHORIC ACID, (1,1-DIMETHYLETHYL)PHENYL DIPHENYL ESTER: 1982; TRIPHENYL PHOSPHATE: 1982; PHENOL, 4-(1,1-DIMETHYLETHYL)-, PHOSPHATE (3:1): 1982 <input checked="" type="checkbox"/> SARA 302/304 emergency planning and notification: No products were found. SARA 311/312 MSDS distribution - chemical inventory - hazard identification: BRAYCO MICRONIC 882 NASA: immediate health hazard. SARA 313 toxic chemical notification and release reporting: No products were found.
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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): Not listed.  
 MITI: In compliance.  
 EINECS: In compliance.

**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	b

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



**References** Not available.

**Other Special Considerations** No component known to be present in this product at >0.1% is presently listed as a carcinogen by IARC, NTP or OSHA.

Validated by Product Stewardship on 04/24/2003.

Printed 04/24/2003.

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.*