



Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Common Name	BRAYCO 482	Code	27016-AW
Supplier	Air BP Lubricants Maple Plaza II -1N, Six Campus Drive Parsippany, NJ 07054 U.S.A. Product Information: 1-(866) 4 BP - MSDS (1-866-427-6737)	Validation Date	04/18/2002.
Synonym	Not available.	Print Date	04/18/2002.
Trade name	BRAYCO IS REGISTERED IN THE U.S. PATENT AND TRADEMARK OFFICE.	Responsible Name	Product Stewardship
Material Uses	Not available.	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
RESIDUAL OILS, PETROLEUM, HYDROTREATED	64742-57-0	40-45	ACGIH (United States). TWA: 5 mg/m ³ Form: Mist OSHA (United States). TWA: 5 mg/m ³ Form: Mist ACGIH (United States). STEL: 10 mg/m ³ Form: Mist
DISTILLATES, PETROLEUM, HYDROTREATED HEAVY PARAFFINIC	64742-54-7	35-40	ACGIH (United States). TWA: 5 mg/m ³ Form: Mist OSHA (United States). TWA: 5 mg/m ³ Form: Mist ACGIH (United States). STEL: 10 mg/m ³ Form: Mist
RESIDUAL OILS, PETROLEUM, SOLVENT-DEWAXED	64742-62-7	15-20	ACGIH (United States). TWA: 5 mg/m ³ Form: Mist OSHA (United States). TWA: 5 mg/m ³ Form: Mist ACGIH (United States). STEL: 10 mg/m ³ Form: Mist

Section 3. Hazards Identification

Physical State and Appearance	Liquid. Hydrocarbon. Odor Amber. Liquid.
Emergency Overview	CAUTION! MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION. 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.
Routes of Entry	Absorbed through skin. Eye contact. Inhalation. Ingestion.
Potential Acute Health Effects	<i>Eyes</i> Moderately irritating to the eyes.

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Skin Moderately irritating to the skin.

Inhalation Moderately irritating to the respiratory system.

Ingestion Ingestion may cause gastrointestinal irritation and diarrhea.

No additional remark.

Potential Chronic Health Effects

☑ CARCINOGENIC EFFECTS: 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).

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

Eye Contact	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.
Skin Contact	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.
Inhalation	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion	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.
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 Points	☑ OPEN CUP: 204°C (399.2°F) (Cleveland.).
Flammable Limits	Not available.
Products of Combustion	carbon oxides (CO, CO ₂), sulfur oxides (SO ₂ , SO ₃ ...).
Fire Hazards in Presence of Various Substances	Not available.
Explosion Hazards in Presence of Various Substances	Non-explosive in presence of open flames, sparks and static discharge, of shocks.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet. Dry chemical, carbon dioxide, foam, water fog. Water or foam may cause frothing.
Protective Clothing (Fire)	Be sure to use an approved/certified respirator or equivalent.

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Special Remarks on Fire Hazards Products of Combustion: carbon oxides (CO, CO2) sulfur oxides (SO2, SO3...).

Special Remarks on Explosion Hazards Not available.

Section 6. Accidental Release Measures

Small Spill and Leak Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill and Leak 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

Engineering Controls Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection

Eyes Safety glasses with side shields.

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

Exposure Limits

RESIDUAL OILS, PETROLEUM, HYDROTREATED

ACGIH (United States).
TWA: 5 mg/m³ Form: Mist
TWA: 5 mg/m³ Form: Mist
STEL: 10 mg/m³ Form: Mist

DISTILLATES, PETROLEUM, HYDROTREATED HEAVY PARAFFINIC

ACGIH (United States).
TWA: 5 mg/m³ Form: Mist
TWA: 5 mg/m³ Form: Mist
STEL: 10 mg/m³ Form: Mist

RESIDUAL OILS, PETROLEUM, SOLVENT-DEWAXED

ACGIH (United States).
TWA: 5 mg/m³ Form: Mist
TWA: 5 mg/m³ Form: Mist
STEL: 10 mg/m³ Form: Mist

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.	Odor	Hydrocarbon. Odor
Boiling/Condensation Point	260°C (500°F)	Taste	Not available.
Melting/Freezing Point	Not available.	Color	Amber. Liquid.
pH Concentrate	Not applicable.		
pH Dilution % and Value	Not applicable.		
Critical Temperature	Not available.		
Specific Gravity	0.88 to 0.9 (Water = 1)		
Vapor Pressure	Not available.		
Vapor Density	>1 (Air = 1)		
Volatility	Not available.		
Odor Threshold	Not available.		
Evaporation Rate	< 1 (Butyl acetate = 1).		
VOC	Not available.	VOC Method	Not determined.
Viscosity	Not available.		
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.
Hazardous Decomposition Products	carbon oxides (CO, CO ₂), sulfur oxides (SO ₂ , SO ₃ ...).
Hazardous Polymerization	Will not occur.

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Section 11. Toxicological Information

Toxicity to Animals	LD50: Not available. LC50: Not available.
Chronic Effects on Humans	<input checked="" type="checkbox"/> CARCINOGENIC EFFECTS: 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). 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. DEVELOPMENTAL TOXICITY: Not available.
Other Toxic Effects on Humans	Hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation (lung irritant).
Special Remarks on Toxicity to Animals	Not available.
Special Remarks	No additional remark.
Special Remarks on Other Toxic Effects on Humans	No additional remark.

Section 12. Ecological Information

Ecotoxicity	Not available.
BOD and COD	Not available.
Biodegradable/OECD	Not available.
Mobility	Not available.
Products of Degradation	carbon oxides (CO, CO ₂), sulfur oxides (SO ₂ , SO ₃ ...).
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	Not available.

Section 13. Disposal Considerations

Waste Information	<input checked="" type="checkbox"/> Waste must be disposed of in accordance with federal state and local environmental control regulations. <input checked="" type="checkbox"/> Keep out of waterways. Dispose of according to all federal, state and local applicable regulations.
RCRA Waste Code(s)	<input checked="" type="checkbox"/> USED OIL
Waste Stream	Not available.
Consult your local or regional authorities.	

Section 14. Transport Information

DOT Classification	- Not a DOT controlled material (United States).	
	Not regulated.	

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Marine Pollutant	Not pollutant.	
Special Provisions for Transport	NOT REGULATED	
ADR/RID Classification	Not determined.	
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 482: 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

☑ SCA 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.

Other Special Considerations No additional remark.

Validated by Product Stewardship on 04/18/2002.

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CHEMTREC (800) 424-9300

Notice to Reader

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