



Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Common Name	AEROPLEX 444	Code	25087-AM
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	05/28/2002
Synonym	Not available.	Print Date	05/28/2002
Trade name	Not available.	Responsible Name	Product Stewardship
Material Uses	Grease.	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
Hazardous ingredients - None Known			

Section 3. Hazards Identification

Physical State and Appearance	Solid. Odor: Slight. Green Grease. (Light.)
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.
Routes of Entry	Absorbed through skin. Eye contact. Inhalation. Ingestion.
Potential Acute Health Effects	Eyes Moderately irritating to the eyes. Skin Moderately irritating to the skin. Inhalation Moderately irritating to the respiratory system. Ingestion Ingestion may cause gastrointestinal irritation and diarrhea. Inhalation of decomposition products (occurs if heated > 300 C) or of smoke from contaminated tobacco products may cause respiratory irritation and induce Polymer Fume Fever condition. Symptoms of exposure to decomposition products are: lung irritation, pulmonary edema, flu-like symptoms (example - fever chills). No medical conditions are known to be aggravated by exposure. Prolonged and/or repeated contact may produce mild skin irritation and inflammation. Personnel with pre-existing skin disorder should avoid contact.
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 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.

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	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	218°C (424.4°F).
Flammable Limits	Not available.
Products of Combustion	These products are carbon oxides (CO, CO ₂), halogenated compounds, hydrogen fluoride.
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, of heat.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet. Water or foam may cause frothing. Use water to keep fire exposed container cool. Water spray may be used to flush spills away from exposure. For fires in enclosed areas, firefighters must use self-contained breathing apparatus. Prevent runoff from fire control or dilution from entering streams or drinking water supply.
Protective Clothing (Fire)	Be sure to use an approved/certified respirator or equivalent.
Special Remarks on Fire Hazards	NFPA health hazard rating of "3" assigned due to toxicity of thermal decomposition products, fluorine (HF), otherwise the material itself warrants a health hazard rating of "1". Decomposition at high temperatures (>200C) yields hydrogen fluoride, carbonyl fluoride and other acid fluorides.
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 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

Avoid contact with eyes, skin and clothing. Avoid breathing vapors or spray mists. Keep container closed. Use with adequate ventilation. 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.

Maintain ambient temperatures. Avoid prolonged/repeated breathing of vapors, mists, fumes. Keep container tightly closed. Do not store near heat, flame, strong oxidants. Maintain adequate ventilation.

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 occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Good industrial hygiene practices recommend that engineering controls be used to reduce environmental concentrations to the threshold limit value (TLV), if applicable. If an applicable TLV is exceeded provide NIOSH approved respiratory protection. Not normally required; provide exhaust if temperature is expected to exceed 300 C.

Personal Protection

Eyes Safety glasses.

Body Synthetic apron.

Impervious protective clothing and chemical resistant safety shoes should be worn to minimize contact. Wash contaminated clothing with soap and water and dry before reuse. Emergency shower and eyewash facility should be provided in all areas in which this product is handled.

Respiratory Not applicable.

Hands Impervious gloves.

Use neoprene type gloves when handling this product.

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**

No hazardous ingredients.

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Solid.	Odor	Odor: Slight.
Boiling/Condensation Point	Not available.	Taste	Not available.
Melting/Freezing Point	Not available.	Color	Green Grease. (Light.)
pH Concentrate	Not applicable.		
pH Dilution % and Value	Not applicable		
Critical Temperature	Not available.		
Specific Gravity	0.92 to 1.12 (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	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 heat, open flames, and oxidizing materials.
Incompatibility with Various Substances	Strong oxidizing agents. Active metals, metal oxides at temperatures > 280C, Lewis acid catalysts, strong or non-aqueous alkali.
Hazardous Decomposition Products	Carbon oxides (CO, CO ₂), Carbonyl fluoride, Hydrogen Fluoride (HF).
Hazardous Polymerization	Will not occur.

Section 11. Toxicological Information

Toxicity to Animals	LD50: Not available. LC50: Not available.
Chronic Effects on Humans	

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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

In case of contact, flush eyes with plenty of water. Get medical attention if irritation occurs. Do not induce vomiting. Immediately give two glasses of charcoal slurry or plain water. Do not attempt to give anything by mouth to an unconscious person. Contact a physician. Remove from exposure area to fresh air immediately. Administer oxygen if deemed necessary. Polymer Fume Fever symptoms should subside within 24 hours. In case of contact, wash thoroughly with soap and water. Obtain immediate medical attention if grease is injected under the skin.

Special Remarks on Other Toxic Effects on Humans

Inhalation of decomposition products (occurs if heated > 300 C) or of smoke from contaminated tobacco products may cause respiratory irritation and induce Polymer Fume Fever condition. Symptoms of exposure to decomposition products are: lung irritation, pulmonary edema, flu-like symptoms (example - fever chills). No medical conditions are known to be aggravated by exposure. Prolonged and/or repeated contact may produce mild skin irritation and inflammation. Personnel with pre-existing skin disorder should avoid contact.

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, CO₂), Carbonyl fluoride, Hydrogen Fluoride (HF).

Toxicity of the Products of Biodegradation

Not available.

Special Remarks on the Products of Biodegradation

Not available.

Section 13. Disposal Considerations

Waste Information

Type: Non-hazardous chemical waste.
 Location: not available
 Classification: not available
 Disposal.: Waste must be disposed of in accordance with federal, state and local environmental control regulations.
 Storage: not available
 Recycling: not available

Large spills: wear appropriate protective clothing. Stop source of leak if possible. Dike, contain spill and recover free liquid. Prevent entry into waterways. Soak up residue with an inert absorbent such as clay, sand or other suitable materials; Store and dispose of properly. Flush area with water. Where feasible and appropriate, remove contaminated soil. Small spills: Neutralize and/or soak up spill with inert absorbent. Store in a closed container and dispose of properly. All recovered material should be packaged, transported and disposed of (or reclaimed) using good engineering practices. Disposal method must be in compliance with Local, State & Federal Regulations regarding health, air & water pollution. DO NOT BURN MATERIALS CONTAMINATED WITH THIS PRODUCT.

RCRA Waste Code(s)

Waste Stream

Not available.

Consult your local or regional authorities.

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Section 14. Transport Information

DOT Classification	Not a DOT controlled material (United States).	
	Not regulated.	
Marine Pollutant	Not pollutant.	
Special Provisions for Transport	None identified.	
ADR/RID Classification	Not available.	
IMO/IMDG Classification	Not controlled under IMDG.	
ICAO/IATA Classification	Not controlled under IATA.	

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: AEROPLEX 444: 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

Pennsylvania RTK: POLYTETRAFLUOROETHYLENE DEDOMPOSITION PRODUCTS (generic environmental hazard)
 California Prop 65: WARNING! This product contains trace amounts of the following chemicals which the State of California has found to cause cancer, birth defects or other reproductive harm.:
 TETRAFLUOROETHYLENE

Inventory Lists

TSCA 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: All components of this product are listed on (or meet the exemption requirements of) the applicable inventory list.

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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 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 05/28/2002.

Printed 05/28/2002.

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.