



Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Common Name	BRAYCOTE 868	Code	25052-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	09/17/2002
Synonym	Not available.	Print Date	09/17/2002
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
MOLYBDENUM SULFIDE (MOS2)	1317-33-5	50-55	ACGIH TLV (United States, 2001). Notes: Respirable fraction TWA: 3 mg/m ³ 8 hour(s). Form: Insoluble ACGIH (United States) Notes: inhalable Fraction TWA: 10 mg/m ³ 8 hour(s). OSHA PEL (United States, 1971). TWA: 15 MGM3 8 hour(s). Form: Total dust OSHA PEL 1989 (United States, 1989). Notes: Vacated Rule TWA: 10 mg/m ³ 8 hour(s). Form: Total dust

Section 3. Hazards Identification

Physical state / Appearance	Liquid. Odorless. Grey. Black. Liquid. (Dark.)
Emergency Overview	CAUTION! MAY CAUSE RESPIRATORY TRACT AND SKIN IRRITATION. Avoid breathing vapor or mist. Avoid contact with skin and clothing. Keep container closed. Use with adequate ventilation. Wash thoroughly after handling. Do not ingest.
Routes of Entry	Skin contact. Eye contact. Inhalation. Ingestion.
Potential Acute Health Effects	<i>Eyes</i> May cause eye irritation. <i>Skin</i> May cause skin irritation. <i>Inhalation</i> Mist may cause respiratory tract irritation. <i>Ingestion</i> Ingestion may cause gastrointestinal irritation and diarrhea.

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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 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:

Prolonged or repeated contact with petroleum oil may remove natural oils and fats from the skin.

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. 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 Point	OPEN CUP: 274°C (525.2°F) (Cleveland.).
Flammable Limits	Not available.
Products of Combustion	These products are sulfur oxides (SO ₂ , SO ₃ ...). Some metallic oxides.
Fire Hazards in Presence of Various Substances	Slightly flammable to flammable in presence of open flames, sparks and static discharge, of shocks, of heat.
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. Cool closed containers exposed to fire with water.
Protective Clothing (Fire)	Be sure to use an approved/certified respirator or equivalent.
Special Remarks on Fire Hazards	Not available.
Special Remarks on Explosion Hazards	Not available.

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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 breathing vapors or spray mists. Avoid contact with skin and clothing. 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 and Personal Protection

Engineering Controls 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.

Body Lab coat.

Wear appropriate protective clothing to prevent skin contact.

Respiratory A respirator is not needed under normal and intended conditions of product use. If ventilation is inadequate, use a NIOSH certified respirator with an organic vapor cartridge and P95 particulate filter.

Hands Impervious gloves.

Protective gloves should be worn during handling.

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

MOLYBDENUM SULFIDE (MOS2)

Explosion Limits

ACGIH TLV (United States, 2001). Notes: Respirable fraction

TWA: 3 mg/m³ 8 hour(s). Form: Insoluble

ACGIH (United States) Notes: inhalable Fraction

TWA: 10 mg/m³ 8 hour(s).

OSHA PEL (United States, 1971).

TWA: 15 MG/M3 8 hour(s). Form: Total dust

OSHA PEL 1989 (United States, 1989). Notes: Vacated Rule

TWA: 10 mg/m³ 8 hour(s). Form: Total dust

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical state / Appearance	Liquid.	Odor	Odorless.
Boiling/Condensation Point	Not available.	Taste	Not available.
Melting/Freezing Point	Not available.	Color	Grey. Black. Liquid. (Dark.)
pH Concentrate	Not applicable.		
pH Dilution % and Value	Not applicable.		
Critical Temperature	Not available.		
Specific Gravity	1.6953 (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 excessive heat.
Incompatibility with Various Substances	Reactive with oxidizing agents, acids, alkalis.
Hazardous Decomposition Products	carbon oxides (CO, CO ₂)
Hazardous Polymerization	Will not occur.

Section 11. Toxicological Information

Toxicity to Animals	LD50: Not available. LC50: Not available.
Chronic Effects on Humans	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. DEVELOPMENTAL TOXICITY: Not available.
Other Toxic Effects on Humans	Hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation (lung irritant).

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Special Remarks on Toxicity to Animals Not available.

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 available.

BOD and COD Not available.

Biodegradable/OECD Not available.

Mobility Not available.

Products of Degradation carbon oxides (CO, CO₂), sulfur oxides (SO₂, SO₃...), Some metallic oxides.

Toxicity of the Products of Biodegradation Not available.

Special Remarks on the Products of Biodegradation Not available.

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. Dispose of according to all federal, state and local applicable regulations.

RCRA Waste Code(s) 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.

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: BRAYCOTE 868: 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

Massachusetts RTK: MOLYBDENUM SULFIDE
 New Jersey: MOLYBDENUM SULFIDE

California prop. 65: No products were found.

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

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 AND SKIN IRRITATION.

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

Health	0
Fire Hazard	1
Reactivity	0
Personal Protection	C

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



References

Not available.

Other Special Considerations None identified.

Validated by Product Stewardship on 09/17/2002.

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CHEMTREC (800) 424-9300

Notice to Reader

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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.*