



Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Common Name	BRAYCOTE 154	Code	27083-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 (866-427-6737)	Validation Date	03/21/2003
Synonym	Not available.	Print Date	03/21/2003
Trade name	BRAYCOTE IS REGISTERED IN THE U.S. PATENT AND TRADEMARK OFFICE.	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		

Section 2. Composition, Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits
DISTILLATES, PETROLEUM, HYDROTREATED HEAVY PARAFFINIC	64742-54-7	15-20	United States 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 NAPHTHENIC	64745-56-9	1-5	United States Form: Mist OSHA (United States) . TWA: 5 mg/m ³ Form: Mist ACGIH (United States) . STEL: 10 mg/m ³ Form: Mist
SOLVENT NAPHTHA, PETROLEUM, MEDIUM ALIPH.	64742-88-7	75-80	United States United States). TWA: 5 mg/m ³

Section 3. Hazards Identification

Physical state / Appearance	Liquid. Solvent. Aromatic. Odor Clear. Yellow. Liquid. (Light.)
Emergency Overview	WARNING! COMBUSTIBLE LIQUID AND VAPOR. VAPOR MAY CAUSE FLASH FIRE. MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION. ASPIRATION HAZARD. Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. Do not ingest. Aspiration hazard if swallowed- can enter lungs and cause damage. If ingested do not induce vomiting. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Wash thoroughly after handling.
Routes of Entry	Skin contact. Eye contact. Inhalation. Ingestion.
Potential Acute Health Effects	<i>Eyes</i> Moderately irritating to the eyes. <i>Skin</i> Moderately irritating to the skin. <i>Inhalation</i> Moderately irritating to the respiratory system. <i>Ingestion</i> Aspiration hazard if swallowed- can enter lungs and cause damage. No additional remark.

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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	Aspiration hazard if swallowed- can enter lungs and cause damage. Do not induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person. 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	Combustible.
Autoignition temperature	Not available.
Flash Point	CLOSED CUP: 46°C (114.8°F). (Pensky-Martens.)
Flammable Limits	Not available.
Products of Combustion	These products are carbon oxides (CO, CO ₂), 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.
Explosion Hazards in Presence of Various Substances	Slightly 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 or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion. Water, dry chemical, CO ₂ , or alcohol foam. 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)	Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear. Firefighters' protective clothing will provide limited protection. DO NOT FIGHT FIRE WHEN IT REACHES MATERIAL. Withdraw from fire and let it burn. Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. First move people out of line-of-sight of the scene and away from windows.
Special Remarks on Fire Hazards	Combustible liquid and vapor. Vapor may cause flash fire. Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

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Special Remarks on Explosion Hazards Not available.

Section 6. Accidental Release Measures

Small Spill and Leak	For small spills add absorbent (soil may be used in the absence of other suitable materials) and use a non-sparking or explosion proof means to transfer material to a sealed, appropriate container for disposal.
Large Spill and Leak	Flammable liquid, insoluble in water. If emergency personnel are unavailable, contain spilled material. For large spills dike spilled material or otherwise contain material to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal. Minimize contact of spilled material with soils to prevent runoff to surface waterways. See Section 13 for Waste Disposal Information.

Section 7. Handling and Storage

Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Avoid contact with eyes, skin or clothing. Do not ingest. Aspiration hazard if swallowed- can enter lungs and cause damage. Wash thoroughly after handling. Avoid breathing vapor or mist.

Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or 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. Ensure that eyewash stations and safety showers are close to the work-station location.

Personal Protection

- Eyes* Safety glasses.
- Body* Synthetic apron. Wear appropriate protective clothing to prevent skin contact.
- Respiratory* Respiratory protection is not required for the use of this product. If ventilation is inadequate, use a NIOSH certified respirator with an organic vapor cartridge and P95 particulate filter.
- Hands* Impervious gloves. Wear solvent resistant gloves or petroleum solvent & alcohol resistant barrier hand cream.
- 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 HEAVY PARAFFINIC	United States Form: Mist TWA: 5 mg/m ³ Form: Mist STEL: 10 mg/m ³ Form: Mist
DISTILLATES, PETROLEUM, HYDROTREATED HEAVY NAPHTHENIC	United States Form: Mist TWA: 5 mg/m ³ Form: Mist STEL: 10 mg/m ³ Form: Mist
SOLVENT NAPHTHA, PETROLEUM, MEDIUM ALIPH.	United States (United States). TWA: 5 mg/m ³

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical state / Appearance	Liquid.	Odor	Solvent. Aromatic. Odor
Boiling/Condensation Point	Not available.	Taste	Not available.
Melting/Freezing Point	Not available.	Color	Clear. Yellow. Liquid. (Light.)
pH (Concentration)	Not applicable.		
pH Dilution % and Value	Not applicable.		
Critical Temperature	Not available.		
Specific Gravity	0.85 to 0.87 (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	<7 cSt @ 40C (Estimated)		
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, CO2), sulfur oxides (SO2, SO3...).
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 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: Not available. : 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.

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Other Toxic Effects on Humans	Hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation (lung irritant). Exposure to high concentrations can cause dizziness, lightheadness, headache, nausea, and blurred vision. Higher levels may cause unconsciousness. Aspiration hazard if swallowed- can enter lungs and cause damage.
Special Remarks on Toxicity to Animals	Inhalation: Contains material which may cause damage to the following organs: kidneys, blood, liver (Male. Rat).
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	These products are carbon oxides (CO, CO ₂) and water, sulfur oxides (SO ₂ , SO ₃ ...). 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	Combustible material. Waste must be disposed of in accordance with federal, state and local environmental control regulations. Remove sources of ignition. Treat with an oil absorbent. Provide adequate ventilation and use respirator for large spills. Recover free liquid. Keep products out of streams and waterways by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses or extensive land areas. Dispose of in accordance with local, state and federal regulations. Disposal of this material to the land may be banned by federal law (40 CFR 268). This product may contain one or more of the solvents listed in Section II with TLV's. ranging from 350 mg/M ³ to 523 mg/M ³ . CALIFORNIA
RCRA Waste Code(s)	D001
Waste Stream	Not available.
Consult your local or regional authorities.	

Section 14. Transport Information

DOT Classification	3	
PÉTROLEUM DISTILLATES, N.O.S. (Contains Petroleum Naphtha), 3, UN1268, PG III.		
Marine Pollutant	Not pollutant.	
Special Provisions for Transport	Not available.	
ADR/RID Classification	PÉTROLEUM DISTILLATES, N.O.S. (Contains Petroleum Naphtha), 3, UN1268, PG III	
IMO/IMDG Classification	PÉTROLEUM DISTILLATES, N.O.S. (Contains Petroleum Naphtha), 3, UN1268, PG III	

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ICAO/IATA Classification **PÉTROLEUM DISTILLATES, N.O.S. (Contains Petroleum Naphtha), 3, UN1268, PG III**

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 154: fire, 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: 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

COMBUSTIBLE LIQUID AND VAPOR.
 VAPOR MAY CAUSE FLASH FIRE.
 MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION.
 ASPIRATION HAZARD.

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

Health	1
Fire Hazard	2
Reactivity	0
Personal Protection	C

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



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. 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 may contain one or more of the solvents listed in Section II with TLV's. ranging from 350 mg/M3 to 523 mg/M3.

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 03/21/2003.

Printed 03/21/2003.

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.