



Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

Common Name	BRAYCO 650	Code	BRAYCO 650
Supplier	Air BP Lubricants Maple Plaza II -1N, Six Campus Drive Parsippany, NJ 07054 U.S.A. - Product Info: 1 (866)-427-6737	Validation Date	1/7/2002.
Synonym	Not available.	Print Date	1/7/2002.
Trade name	Not available.	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
1) NAPHTHALENESULFONIC ACID, DINONYL-, BARIUM SALT	25619-56-1	1-5	ACGIH (United States, 1996). TWA: 0.5 mg/m ³ OSHA Final Rule (United States, 1989). TWA: 0.5 mg/m ³

Section 3. Hazards Identification

Physical State and Appearance	Liquid. (Tan semi-fluid compound; mild odor.)
Emergency Overview	WARNING! Not available.
Routes of Entry	Absorbed through skin. Eye contact. Inhalation.
Potential Acute Health Effects	<p>Ingestion Practically non-toxic if swallowed.</p> <p>Concentrate will cause eye irritation. Individuals with preexisting diseases of the lungs may have increased susceptibility to the toxicity of excessive exposures from thermal decomposition. 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 or repeated contact tends to remove natural skin oil and may cause irritation, rash and possibly, dermatitis.</p>
Potential Chronic Health Effects	<p>CARCINOGENIC EFFECTS: Classified A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC [2,6-DITERT-BUTYL-P-CRESOL]. Classified A4 (Not classifiable for human or animal.) by ACGIH [NAPHTHALENESULFONIC ACID, DINONYL-, BARIUM SALT]. Classified 3 (Not classifiable for human.) by IARC [POLYTETRAFLUOROETHYLENE DECOMPOSITION PRODUCTS].</p> <p>MUTAGENIC EFFECTS: Not available.</p> <p>TERATOGENIC EFFECTS: Not available.</p>
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)	

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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. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.
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	CLOSED CUP: >259.97°C (499.9°F).
Flammable Limits	Not available.
Products of Combustion	These products are carbon oxides (CO, CO ₂), sulfur oxides (SO ₂ , SO ₃ ...), halogenated compounds, hydrogen fluoride. Some metallic oxides.
Fire Hazards in Presence of Various Substances	Not available.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
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, foam, dry chemical and carbon dioxide. Wear self-contained breathing apparatus. Wear full protective equipment. Hydrogen fluoride fumes emitted during a fire can react with water to form hydrofluoric acid.
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. Above 300 C, HF, Carbonyl fluoride and other fluorinated compounds may be generated. Empty containers retain product residue, liquids and/or vapor, and can be dangerous. Keep away from heat, sparks, and open flame. Some ingredients of the product may generate H ₂ gas, which may produce a fire hazard.
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.

Section 7. Handling and Storage

Avoid breathing vapors or spray mists.

Keep container tightly closed. Keep container in a cool, well-ventilated area.

Avoid breathing dust. Avoid contamination of cigarettes or tobacco with dust from this material. Do not use a torch to clean this material from equipment without local exhaust ventilation and respirator. Keep container closed to avoid contamination. Maintain ambient temperatures. Avoid prolonged/repeated breathing of vapors, mists, fumes. Do not store near heat, flame, strong oxidants.

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.

Use NIOSH/MSHA approved respirator with organic vapor cartridge if vapor concentrations exceeds permissible exposure limit. Provide sufficient mechanical, general, and/or local exhaust to maintain exposure below any applicable TLV or PEL.

Personal Protection

Eyes Safety glasses.

Body Lab coat.

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.

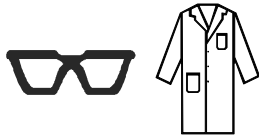
Respiratory Not applicable.

Hands

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

1) NAPHTHALENESULFONIC ACID, DINONYL-, BARIUM SALT

Exposure Limits

ACGIH (United States, 1996).
TWA: 0.5 mg/m³ **OSHA Final Rule (United States, 1989).**
TWA: 0.5 mg/m³

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance Liquid. (Tan semi-fluid compound; mild odor.)

Odor Not available.

Boiling/Condensation Point 315°C (599°F)

Taste Not available.

Melting/Freezing Point Not available.

Color Not available.

pH Concentrate Not applicable.

pH Dilution % and Value Not available.

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Critical Temperature	Not available.		
Specific Gravity	1.06 to 1.08 (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 contact with strong oxidizing agents. Extended exposure to high temperatures may cause decomposition.
Incompatibility with Various Substances	Strong oxidizing agents, reactive metals.
Hazardous Decomposition Products	These products are halogenated compounds, hydrogen fluoride.
Hazardous Polymerization	Will not occur.

Section 11. Toxicological Information

Toxicity to Animals	Acute oral toxicity (LD50): 9500 mg/kg [Mouse]. (DECANEDIOIC ACID, BIS(2-ETHYLHEXYL) ESTER).
Chronic Effects on Humans	CARCINOGENIC EFFECTS: Classified A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC [2,6-DITERT-BUTYL-P-CRESOL]. Classified A4 (Not classifiable for human or animal.) by ACGIH [NAPHTHALENESULFONIC ACID, DINONYL-, BARIUM SALT]. Classified 3 (Not classifiable for human.) by IARC [POLYTETRAFLUOROETHYLENE DECOMPOSITION PRODUCTS]. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available.
Other Toxic Effects on Humans	Not considered to be toxic for humans.
Special Remarks on Toxicity to Animals	Not available.
Special Remarks	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately. Consult physician. Treatment not normally required. Remove from exposure area to fresh air immediately. Administer oxygen if deemed necessary. Polymer Fume Fever symptoms should subside within 24 hours. Wash exposed areas of the body with soap and water. For hot molten material, cool burned skin area by immersing in cold water or apply cold water. Wash clothing before reuse.
Special Remarks on Other Toxic Effects on Humans	

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Concentrate will cause eye irritation. Individuals with preexisting diseases of the lungs may have increased susceptibility to the toxicity of excessive exposures from thermal decomposition. 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 or repeated contact tends to remove natural skin oil and may cause irritation, rash and possibly, dermatitis.

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 ...), halogenated compounds. Some metallic oxides.
Toxicity of the Products of Biodegradation	The product itself and its products of degradation are not toxic.
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
	Remove sources of ignitions, contain spill to smallest area possible. Stop leak if possible. Pick up small spills with absorbent materials such as paper towels, Oil Dry sand or dirt. Recover large spills for salvage or disposal. Wash hard surfaces with safety solvent or detergent to remove remaining oil film. Greasy nature will result in a slippery surface. Preferred options for disposal are (1) recycling and (2) landfill. Incinerate only if incinerator is capable of scrubbing out hydrogen fluoride and other acidic combustion products. Treatment, storage, transportation and disposal must be in accordance with applicable federal, state/provincial, and local regulations.
RCRA Waste Code(s)	
Waste Stream	Not available.
Consult your local or regional authorities.	

Section 14. Transport Information

DOT Classification	Not available.	
	Not regulated.	
Marine Pollutant	Not available.	
Special Provisions for Transport	NOT REGULATED	
ADR/RID Classification	Not available.	

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IMO/IMDG Classification Not available.

ICAO/IATA Classification Not available.

Section 15. Regulatory Information

U.S. Federal Regulations No products were found.
 SARA 302/304 emergency planning and notification: No products were found.
 SARA 311/312 MSDS distribution - chemical inventory - hazard identification: BRAYCO 650: delayed health hazard.
 SARA 313 toxic chemical notification and release reporting: NAPHTHALENESULFONIC ACID, DINONYL-, BARIUM SALT 1.16%
 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: NAPHTHALENESULFONIC ACID, DINONYL-, BARIUM SALT (environmental hazard, generic environmental hazard); POLYTETRAFLUOROETHYLENE DEDOMPOSITION PRODUCTS (generic environmental hazard)
 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): All components of this product are listed on (or meet the exemption requirements of) the applicable inventory list.
 Korea (TCCL): All components of this product are listed on (or meet the exemption requirements of) the applicable inventory list.
 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

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

Health	0
Fire Hazard	1
Reactivity	0
Personal Protection	A

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



References Not available.

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**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 Larry J. Barder-CINA on 1/7/2002.

Printed 1/7/2002.

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.