



# THE INTERNATIONAL GROUP, INC.

## MATERIAL SAFETY DATA SHEET

### SECTION 1 -- PRODUCT AND COMPANY IDENTIFICATION

Material <b>BRITOL® MINERAL OIL</b> (See page 5 for a complete listing of BRITOL® series product numbers)		Revision date 16-Nov-06
Previous revision date 19-May-06	File designation Series\Britol	Material use Various
Manufacture's Name and issuing location <b>THE INTERNATIONAL GROUP, INC.</b>  50 SALOME DRIVE TORONTO, ONTARIO, CANADA M1S 2A8		<b>EMERGENCY PHONE NUMBER</b>  <b>416 - 293 - 4151 day &amp; night</b>  Issuer's phone number 416 - 293 - 4151

#### Manufacturing sites

50 Salome Dr. Toronto, ON Canada M1S 2A8	7106 Highway 146 North Baytown, TX 77520	2875 North Main St. Oshkosh, WI 54901	1100 East Main St. Titusville, PA 16354	45 Route 446 Smethport PA 16749	1140 Canal Boulevard Richmond, CA 94804
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### SECTION 2 -- COMPOSITION / INFORMATION ON INGREDIENTS

No hazardous ingredients as defined by the Canadian Hazardous Products Act (BILL C70) or by OSHA 29 CFR 1910.1200.

Chemical name Not Applicable	Chemical family Petroleum Hydrocarbon	CAS No. See page 5
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### SECTION 3 -- HAZARDS IDENTIFICATION

#### Potential Health Effects (HMIS Rating)

Fire Hazard: 1    Health Hazard: 0    Reactivity: 0    Personal Protection: See Section 8

**0 = MINIMAL 1 = SLIGHT HAZARD 2 = MODERATE HAZARD 3 = SERIOUS HAZARD 4 = SEVERE HAZARD**

### SECTION 4 -- FIRST AID MEASURES

EYES	Flush eyes with generous amounts of water for at least 15 minutes. <b>Call a physician if injury warrants medical attention.</b>
SKIN	Wash contact areas with soap and water.
INHALATION	Remove individual to a well ventilated area for fresh air and <b>call a physician if respiratory symptoms warrant medical attention.</b>
INGESTION	Material is not acutely toxic by ingestion. <b>If material is ingested, do not induce vomiting. Call a physician.</b>

### SECTION 5 -- FIRE FIGHTING MEASURES

Flammability YES [ X ]    NO [   ]	If yes, under which conditions? Will support a flame above flash point.
Means of extinction Use water fog, foam, dry chemical or CO <sub>2</sub> extinguisher. Do not use direct water stream.	



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Special procedures  
Use water to keep containers cool.

### FIRE and EXPLOSION DATA

Flash point (ASTM D92) > 130°C	Upper explosion limit (% by volume) 7.0%	Lower explosion limit (% by volume) 0.9%
Auto ignition temperature Not Available	TDG flammability classification Not Dangerous	Hazardous combustion products CO <sub>2</sub> , CO (See Section 10)
Sensitivity to impact Not Applicable	Rate of burning Not Applicable	Explosive power Not Applicable
		Sensitivity to static discharge Not Applicable

### SECTION 6 -- ACCIDENTAL RELEASE MEASURES

**SPILLS OR LEAKS** Recover free product. Keep material out of sewers and watercourses by diking or impounding. Recover and place into appropriate containers for recycling or disposal, according to prevailing local, state and federal laws.

### SECTION 7 -- HANDLING AND STORAGE

No special procedures of equipment required. Avoid direct exposure to sunlight.

### SECTION 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION

Proper protective splash resistant clothing, gloves, shoes, and eye shields should be worn to prevent skin and eye exposure.

### SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES

Appearance Clear	Odor None	Physical state Liquid @ 25°C	pH Not Applicable
Vapor pressure (mm Hg) < 0.01 @ 25°C	Vapor density (air = 1) > 5	Boiling point (IBP) > 230°C	Solubility in water (20°C) < 0.1%
Evaporation rate (Butyl acetate =1) < 0.01	Freezing point Not Applicable	Volatiles (By volume) < 1.0%	Specific gravity (25°C) 0.80-0.90
Coeff. water / oil distribution < 0.01	Melt point Not Applicable	Molecular weight Not Defined	Odor threshold (PPM) Not Available

### SECTION 10 -- STABILITY AND REACTIVITY

Chemical stability YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	If no, which conditions?
Compatibility with other substances YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	If NO, which ones? Strong oxidizing agents, eg., peroxides, chlorine
Reactivity, and under what conditions Stable	
Hazardous decomposition products Carbon dioxide, carbon monoxide and other products such as aldehydes and ketones depending on conditions of oxidation.	

### SECTION 11 -- TOXICOLOGICAL INFORMATION

Carcinogenicity Classification		Route of Entry	
IARC : Not listed	ACGIH: Not listed	Skin contact [ ]	Inhalation acute [ ]
OSHA: Not listed		Skin absorption [ ]	Inhalation chronic [ X ]
NTP : Not listed		Eye contact [ ]	Ingestion [ ]



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Effects of acute exposure to material  
None known.

Effects of chronic exposure to material  
Exposure @ 100g/m<sup>3</sup> oil mist produced some lung tissue changes (oil microgranulomas in animals). Aspiration of large amounts is reported to cause lipid pneumonia.

LD <sub>50</sub> of material: Specify species & route 50,000mg/kg oral rats	LC <sub>50</sub> of material: Specify species Not Available	Exposure limit of material TLV/TWA 5 mg/m <sup>3</sup> for oil mist (A.C.G.I.H)	Irritancy of material TLV set to prevent irritancy
Sensitizing capability of material Not known	Carcinogenicity / Mutagenicity of material Not carcinogenic by studies to date. Ames negative.	Reproductive effects of material None known.	Synergistic materials None known.

### SECTION 12 -- ECOLOGICAL INFORMATION

Material is not considered harmful to the environment. Nevertheless, material from spills and other generated waste must be disposed of properly in conformance with all local, state and federal laws.

### SECTION 13 -- DISPOSAL CONSIDERATIONS

This material is not a RCRA hazardous waste material. Follow local regulatory laws for proper disposal.

### SECTION 14 -- TRANSPORT INFORMATION

DOT proper shipping name	Not regulated
DOT hazardous classification	Not Applicable
DOT Haz. Mat table 172.101	Not listed
DOT appendix to sec. 172.101	Not listed
DOT labels required	None
DOT placards required	None
TDG classification	Not controlled under TDG (Canada).

### SECTION 15 -- REGULATORY INFORMATION

FDA status	See product's technical information sheet.
CERCLA reportable quantity	This material is not reportable under 40 CFR Part 302.4.
OSHA hazardous chemicals	None according to 29 CFR 1910.1200.
RCRA	This material is not a RCRA hazardous waste.
SARA status	Sections 311 and 312: Not Applicable Section 313: None
TSCA status	This product, or its ingredients as a mixture, appears on the toxic substances control act inventory.
WHMIS status	This is not a controlled material as defined by the Canadian Hazardous Products Act (Bill C70).
California Proposition 65 list	Carcinogens: None, Adverse reproductive effects: None
Massachusetts Substance list	None
New Jersey Haz. Substance list	None
Pennsylvania Haz. Substance list	None
Canadian DSL status	Listed



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CONEG

In compliance

**SECTION 16 -- OTHER**

Source used:

A.C.G.I.H. (Documentation of threshold values), RTECS, IARC Monographs, Oxford Toxicology Forum, Special Meeting on Hydrocarbons.

Prepared by

I. Davie

Signature

Ian Davie

**Disclaimer**

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<b>PRODUCT NUMBER</b>	<b>CAS NUMBER</b>
0807A	8042-47-5
0809A	8042-47-5
0812A	8042-47-5
0818A	8042-47-5
0820A	8042-47-5
0822A	8042-47-5
0835A	8042-47-5
0838A	8042-47-5
0850A	8042-47-5
5NF	8042-47-5
6NF	8042-47-5
7NF	8042-47-5
8NF	8042-47-5
9NF	8042-47-5
10NF	8042-47-5
11NF	8042-47-5
12NF	8042-47-5
13NF	8042-47-5
15NF	8042-47-5
16USP	8042-47-5
18USP	8042-47-5
20USP	8042-47-5
21USP	8042-47-5
22USP	8042-47-5
24USP	8042-47-5
30USP	8042-47-5
31USP	8042-47-5
35USP	8042-47-5
38USP	8042-47-5
40USP	8042-47-5
50USP	8042-47-5
55USP	8042-47-5