



THE INTERNATIONAL GROUP, INC.

MATERIAL SAFETY DATA SHEET

SECTION 1 -- PRODUCT AND COMPANY IDENTIFICATION

Material 1000 SERIES PRODUCTS (See page 6 for a complete listing of 1000 series product numbers)		Revision date 11-Mar-11			
Previous revision date 4-Mar-11	File designation Series\1000	Material use Various			
Manufacturer's Name and issuing location THE INTERNATIONAL GROUP, INC. 50 SALOME DRIVE TORONTO, ONTARIO, CANADA M1S 2A8		EMERGENCY PHONE NUMBER 416 - 293 - 4151 day & night 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

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 6
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SECTION 3 -- HAZARDS IDENTIFICATION

Emergency Overview

The material is a solid at room temperature exhibiting elevated temperature softening characteristics. Above its softening point, the material liquefies and flows more readily as the temperature increases. The material is used as a hot liquid for application purposes and requires caution in handling. At elevated temperatures well above the softening point and in contact with air, the generation of hydrocarbon vapors including possible oxidized products may be expected.

SKIN CONTACT	Contact with molten material can result in severe burns.
EYE CONTACT	Direct contact of molten product to the eyes will cause thermal burns and eye injury.
INHALATION	Breathing fumes in confined areas can cause respiratory discomfort and possible irritation.

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



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SECTION 3 -- HAZARDS IDENTIFICATION (CONTINUED)

EYE CONTACT	Exposure to fumes, vapors or smoke from thermally degraded product can cause irritation to eyes.
INHALATION	Exposure to vapors, fumes, or smoke from molten material handled in confined areas can produce irritation of respiratory tracts, and possible physical discomfort to sensitive individuals.
INGESTION	This material is essentially inert and non-toxic. Regardless of this the material should be handled with care and not be ingested or put in mouth.
SKIN	Skin contact with molten material can cause severe burns.

SECTION 4 -- FIRST AID MEASURES

EYES	Exposure to fumes, vapors or smoke of over heated product can result in irritation to eyes. Direct contact of the molten material will cause eye injury and burns. When handling molten material eye shields must be worn at all times. Should an accident occur, flush eyes with generous amounts of water for at least 15 minutes. Administer prompt first aid measures. Call a physician to attend to the injury.
SKIN	Exposure to fumes, vapors or smoke of thermally degraded product can result in irritation to skin. Direct contact of the molten material will cause injury and burns. For burns apply running water injured area for 15 minutes. Do not attempt to remove any material bonded to skin. Call a physician to attend to the injury.
INHALATION	Remove individual to a well ventilated area for fresh air and call a physician if respiratory symptoms warrant medical attention.
INGESTION	Material is not acutely toxic by ingestion. If material is ingested, do not induce vomiting. Call a physician.

SECTION 5 -- FIRE FIGHTING MEASURES

Flammability YES [<input checked="" type="checkbox"/>] NO [<input type="checkbox"/>]	If yes, under which conditions? Will support a flame above flash point.	
Means of extinction Use water fog, foam, dry chemical or CO ₂ extinguisher. Do not use direct water stream.		
Special procedures Use water to keep containers cool.		
FIRE and EXPLOSION DATA		
Flash point (ASTM D92) > 190°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 ₂ , CO (See Section 10)



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Sensitivity to impact Not Applicable	Rate of burning Not Applicable	Explosive power Not Applicable	Sensitivity to static discharge Not Applicable
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SECTION 6 -- ACCIDENTAL RELEASE MEASURES

SPILLS OR LEAKS	Handle as a thermoplastic. With molten spills, allow the material to solidify and cool. 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.
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SECTION 7 -- HANDLING AND STORAGE

When kept in molten state, inert gas blanketing may be used to avoid material degradation. As a solid, avoid contamination by keeping in closed containers.

SECTION 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION

This material will be utilized in molten form. Proper protective splash resistant clothing, thermal gloves, splash resistant shoes, and eye shields must be worn to prevent injury. Use molten material in well ventilated areas. When working in confined areas, use of appropriate respiratory gear is recommended.

SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES

Appearance White to light gray or tan	Odor None - intermediate petroleum odor	Physical state Solid @ 25°C	pH Not Applicable
Vapor pressure (mm Hg) < 0.01 @ 25°C	Vapor density (air = 1) > 5	Boiling point (IBP) >300 °C	Solubility in water (20°C) < 0.1%
Evaporation rate (Butyl acetate =1) < 0.01	Freezing point Not Applicable	Volatiles (By volume) Negligible	Specific gravity (25°C) 0.90-0.93
Coef. water / oil distribution < 0.01	Melt point 45-76°C	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 <input checked="" type="checkbox"/>	Inhalation acute <input checked="" type="checkbox"/>
OSHA: Not listed		Skin absorption <input type="checkbox"/>	Inhalation chronic <input checked="" type="checkbox"/>
NTP : Not listed		Eye contact <input type="checkbox"/>	Ingestion <input type="checkbox"/>



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Effects of acute exposure to material

Wax fumes have been reported to be irritating to the respiratory tract, especially to sensitized persons. Molten product could cause thermal burns on contact with the skin.

Effects of chronic exposure to material

In rats, chronic ingestion has shown accumulation in target organs (liver, spleen) with associated nonspecific immune response.

LD₅₀ of material: Specify species & route

Not Available

LC₅₀ of material: Specify species

Not Available

Exposure limit of material

TLV/TWA 2 mg/m³ for paraffin wax fume (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 for solid product.
None for molten product shipped under 212°F/100°C.
Hot molten product shipped over 212°F/100°C requires a class 9 "HOT" placard
Bill of lading must carry the statement:
Elevated temperature material, liquid, N.O.S. 9, UN3257, III (WAX).

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



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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
CONEG	In compliance
AIACS	Listed
EINECS	Listed
Australian AICS	Listed
Chinese Inventory	Listed
Japan ENCS	Listed
Philippines PICCS	Listed
MITI	Listed
ECL (Korea)	Listed

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
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Signature
Ian Davie

Disclaimer

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1001A	8002-74-2	1237A	8002-74-2	1286A	8002-74-2
1045A	8002-74-2	1238A	8002-74-2	1288A	8002-74-2
1070A	8002-74-2	1239A	8002-74-2	1288B	8002-74-2
1070C	8002-74-2	1239B	8002-74-2	1288C	8002-74-2
1070M	8002-74-2	1239U	8002-74-2	1290A	8002-74-2
1070U	8002-74-2	1240A	8002-74-2	1290B	8002-74-2
1071A	8002-74-2	1240B	8002-74-2	1293A	8002-74-2
1071U	8002-74-2	1240U	8002-74-2	1294A	8002-74-2
1072A	8002-74-2	1242A	8002-74-2	1297A	8002-74-2
1072B	8002-74-2	1243A	8002-74-2	1297U	8002-74-2
1072U	8002-74-2	1245A	8002-74-2	1298A	8002-74-2
1074A	8002-74-2	1245B	8002-74-2	1299A	8002-74-2
1202A	8002-74-2	1246A	8002-74-2	1301A	8002-74-2
1204A	8002-74-2	1246B	8002-74-2	1302A	8002-74-2
1205A	8002-74-2	1246C	8002-74-2	1302B	8002-74-2
1206A	8002-74-2	1246D	8002-74-2	1302C	8002-74-2
1208A	8002-74-2	1246F	8002-74-2	1302F	8002-74-2
1210A	8002-74-2	1246G	8002-74-2	1302U	8002-74-2
1212U	8002-74-2	1246U	8002-74-2	1303A	8002-74-2
1213A	8002-74-2	1250A	8002-74-2	1303F	8002-74-2
1214A	8002-74-2	1250B	8002-74-2	1303U	8002-74-2
1215A	8002-74-2	1250U	8002-74-2	1304A	8002-74-2
1216A	8002-74-2	1252A	8002-74-2	1308A	8002-74-2
1217A	8002-74-2	1252B	8002-74-2	1312A	8002-74-2
1217B	8002-74-2	1252U	8002-74-2	1313A	8002-74-2
1218A	8002-74-2	1255A	8002-74-2	1314A	8002-74-2
1221A	8002-74-2	1255B	----- *	1315A	8002-74-2
1222A	8002-74-2	1255C	----- *	1316A	8002-74-2
1224A	8002-74-2	1255U	8002-74-2	1317A	8002-74-2
1225A	8002-74-2	1260A	8002-74-2	1320A	8002-74-2
1226A	8002-74-2	1260B	8002-74-2	1324A	8002-74-2
1226F	8002-74-2	1260C	8002-74-2	1325A	8002-74-2
1227A	8002-74-2	1260D	8002-74-2	1325B	8002-74-2
1229A	8002-74-2	1260E	8002-74-2	1325C	8002-74-2
1230A	8002-74-2	1260U	8002-74-2	1325D	8002-74-2
1230C	8002-74-2	1262A	8002-74-2	1325E	8002-74-2
1230D	8002-74-2	1266A	8002-74-2	1326A	8002-74-2
1230E	8002-74-2	1266B	8002-74-2	1328A	8002-74-2
1230F	8002-74-2	1266C	8002-74-2	1330A	8002-74-2
1230U	8002-74-2	1266D	8002-74-2	1331A	8002-74-2
1231A	8002-74-2	1269A	8002-74-2	1332A	8002-74-2
1231B	8002-74-2	1270A	8002-74-2	1339A	8002-74-2
1231F	8002-74-2	1272A	8002-74-2	1339B	8002-74-2
1231U	8002-74-2	1274A	8002-74-2	1342A	8002-74-2
1233A	8002-74-2	1275A	8002-74-2	1343A	8002-74-2
1236A	8002-74-2	1278A	8002-74-2	1343E	8002-74-2
1236B	8002-74-2	1282A	8002-74-2	1343N	8002-74-2
1236U	8002-74-2	1284A	8002-74-2	1347A	8002-74-2



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1347B	8002-74-2				
1353A	8002-74-2				
1363A	8002-74-2				
1368A	8002-74-2				
1373A	8002-74-2				
1375A	8002-74-2				
1376A	8002-74-2				
1377A	8002-74-2				
1378A	8002-74-2				
1379A	8002-74-2				
1380A	8002-74-2				
1381A	8002-74-2				
1383A	8002-74-2				
1384A	8002-74-2				
1385A	8002-74-2				
1386A	8002-74-2				
1388A	8002-74-2				
1389A	8002-74-2				
1390A	8002-74-2				
1391A	8002-74-2				
1392A	8002-74-2				
1393A	8002-74-2				
1394A	8002-74-2				
1396A	8002-74-2				
1397A	8002-74-2				
1397U	8002-74-2				
1398A	8002-74-2				
1399A	8002-74-2				
1421A	8002-74-2				
1430A	8002-74-2				
1435A	8002-74-2				
1554A	8002-74-2				
1563A	8002-74-2				
1563B	8002-74-2				
1899A	8002-74-2				
1977A	8002-74-2				
1977B	8002-74-2				
1977S	8002-74-2				
1986A	8002-74-2				

*There is no CAS registry number for this product.