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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 13-Feb-04	
Previous revision date 29-Dec-03	File designation Series\1000	Material use Various	
Manufacture's Name and issuing location THE INTERNATIONAL GROUP, INC. 50 SALOME DRIVE AGINCOURT, ONTARIO, CANADA M1S 2A8		EMERGENCY PHONE NUMBER 416 - 293 - 4151 day & night Issuer's phone number 416 - 293 - 4151	
Manufacturing sites			
50 Salome Drive Agincourt, Ontario, Canada M1S 2A8	7106 Highway 146 North Baytown, TX 77520	2875 North Main St. Oshkosh, WI 54901	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
Coeff. 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.

LD ₅₀ of material: Specify species & route Not Available	LC ₅₀ of material: Specify species Not Available	Exposure limit of material TLV/TWA 2 mg/m ³ 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
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

I. Davie

Signature

Ian Davie

Disclaimer

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PRODUCT NUMBER	CAS NUMBER	PRODUCT NUMBER	CAS NUMBER	PRODUCT NUMBER	CAS NUMBER
1014	8002-74-2	1245	8002-74-2	1288B	8002-74-2
1045	8002-74-2	1246	8002-74-2	1288C	8002-74-2
1056	8002-74-2	1246.01	8002-74-2	1289	8002-74-2
1070	8002-74-2	1246.02	8002-74-2	1291	8002-74-2
1071	8002-74-2	1246.03	8002-74-2	1294	8002-74-2
1071U	8002-74-2	1246B	8002-74-2	1295	8002-74-2
1072	8002-74-2	1246C	8002-74-2	1296	8002-74-2
1072B	8002-74-2	1246D	8002-74-2	1297	8002-74-2
1072U	8002-74-2	1246G	8002-74-2	1301	8002-74-2
1073	8002-74-2	1246U	8002-74-2	1302	8002-74-2
1074	8002-74-2	1249	8002-74-2	1302	8002-74-2
1076	8002-74-2	1250	8002-74-2	1302B	8002-74-2
1204	8002-74-2	1250B	8002-74-2	1303	8002-74-2
1208.01	8002-74-2	1252	8002-74-2	1304	8002-74-2
1210	8002-74-2	1252U	8002-74-2	1305	8002-74-2
1212U	8002-74-2	1254	8002-74-2	1306	8002-74-2
1213	8002-74-2	1255	8002-74-2	1307	8002-74-2
1214	8002-74-2	1255.01	-----*	1308	8002-74-2
1215	8002-74-2	1255.02	-----*	1309	8002-74-2
1217	8002-74-2	1255B	-----*	1313	8002-74-2
1217B	8002-74-2	1255C	-----*	1316	8002-74-2
1218	8002-74-2	1255U	8002-74-2	1317	8002-74-2
1220	8002-74-2	1258	8002-74-2	1325	8002-74-2
1221	8002-74-2	1260	8002-74-2	1325C	8002-74-2
1222	8002-74-2	1260C	8002-74-2	1325E	8002-74-2
1227	8002-74-2	1260U	8002-74-2	1326	8002-74-2
1228	8002-74-2	1260U.03	8002-74-2	1330	8002-74-2
1229	8002-74-2	1260UC	8002-74-2	1339	8002-74-2
1230	8002-74-2	1262	8002-74-2	1343	8002-74-2
1230U	8002-74-2	1264	8002-74-2	1343E	8002-74-2
1231	8002-74-2	1266	8002-74-2	1343N	-----*
1231F	8002-74-2	1266B	8002-74-2	1347	8002-74-2
1231U	8002-74-2	1266U	8002-74-2	1347B	8002-74-2
1232	8002-74-2	1269	8002-74-2	1353	8002-74-2
1233	8002-74-2	1270	8002-74-2	1359	8002-74-2
1234	8002-74-2	1271	8002-74-2	1363	8002-74-2
1236	8002-74-2	1272	8002-74-2	1368	8002-74-2
1237	8002-74-2	1273	8002-74-2	1373	8002-74-2
1239	8002-74-2	1274	8002-74-2	1375	8002-74-2
1239B	8002-74-2	1275	8002-74-2	1375	8002-74-2
1239U	8002-74-2	1278	8002-74-2	1376	8002-74-2
1240	8002-74-2	1282	8002-74-2	1377	8002-74-2
1240B	8002-74-2	1282.01	8002-74-2	1378	8002-74-2
1240U	8002-74-2	1284	8002-74-2	1379	-----*
1242	8002-74-2	1286	8002-74-2	1380	8002-74-2
1243	8002-74-2	1288	8002-74-2	1381	8002-74-2

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PRODUCT NUMBER	CAS NUMBER	PRODUCT NUMBER	CAS NUMBER	PRODUCT NUMBER	CAS NUMBER
1383	8002-74-2	*There is no CAS registry number for this product.			
1384	8002-74-2				
1385	8002-74-2				
1386	8002-74-2				
1388	-----*				
1389	8002-74-2				
1390	8002-74-2				
1391	8002-74-2				
1392	8002-74-2				
1393	8002-74-2				
1394	8002-74-2				
1396	8002-74-2				
1397	8002-74-2				
1421	8002-74-2				
1425	8002-74-2				
1427	8002-74-2				
1430	8002-74-2				
1435	8002-74-2				
1440	8002-74-2				
1458	8002-74-2				
1485	8002-74-2				
1486	8002-74-2				
1489	8002-74-2				
1513	8002-74-2				
1521	8002-74-2				
1535	8002-74-2				
1544	8002-74-2				
1546	8002-74-2				
1552	8002-74-2				
1554	8002-74-2				
1556	8002-74-2				
1557	8002-74-2				
1563	8002-74-2				
1580	8002-74-2				
1583	8002-74-2				
1584	8002-74-2				
1599	8002-74-2				
1621	8002-74-2				
1625	8002-74-2				
1631	-----*				
1643	8002-74-2				
1899	8002-74-2				
1970	8002-74-2				
1977	8002-74-2				
1977S	8002-74-2				
1986	8002-74-2				