

# THE INTERNATIONAL GROUP, INC.

85 Old Eagle School Road · P.O. Box 384 · Wayne, PA 19087 · (610) 687-9030 · Fax (610) 254-8548  
50 Salome Drive · Agincourt, Ontario, Canada M1S 2A8 · (416) 293-4151 · Fax (416) 293-0344

## EVACOTE® 7272

**EVACOTE® 7272** is a curtain coating for corrugated cartons having good flexibility and high blocking point. It is suitable for packaging all types of foods, especially frozen meat.

### PHYSICAL PROPERTIES

TEST METHODS	ASTM METHOD	SPECIFICATIONS		TYPICAL
		Minimum	Maximum	
Drop Melt Point °F (°C)	D 127	----	----	162 (72.2)
Congearing Point °F (°C)	D 938	151 (66.1)	161 (71.7)	156 (68.9)
Thermosel Viscosity, cP @ 300°F (148.9°C)	D 3236	285	355	320
Thermosel Viscosity, cP @ 275°F (135°C)	D 3236	----	----	440
Thermosel Viscosity, cP @ 250°F (121.1°C)	D 3236	----	----	610
Color	D 1500	----	----	L0.5
Needle Penetration, dmm @ 77°F (25°C)	D 1321	----	----	7
Needle Penetration, dmm @ 90°F (32.2°C)	D 1321	----	----	12

### APPLICATION CONDITIONS:

Temperature: 250-300°F (120-150°C)

### FDA STATUS:

This product meets the FDA requirements set forth in 21 CFR 176.170 and 176.180 for use in contact with food.

10/18/01

### WARRANTY DISCLAIMER STATEMENT

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# THE INTERNATIONAL GROUP, INC.

## MATERIAL SAFETY DATA SHEET

### SECTION 1 -- PRODUCT AND COMPANY IDENTIFICATION

Material 7000 SERIES PRODUCTS (EVACOTE®) (See page 6 for a complete listing of 7000 series product numbers)	Revision date 9-Feb-04
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Previous revision date 19-Nov-03	File designation Series 7000	Material use Various
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Manufacture's Name and issuing location THE INTERNATIONAL GROUP, INC.  50 SALOME DRIVE AGINCOURT, ONTARIO, CANADA M1S 2A8	<b>EMERGENCY PHONE NUMBER</b>  <b>416 - 293 - 4151 day &amp; night</b>  Issuer's phone number 416 - 293 - 4151
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#### 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
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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 Not Applicable	CAS No. Not Applicable
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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



# THE INTERNATIONAL GROUP, INC.

## MATERIAL SAFETY DATA SHEET

Material: 7000 SERIES PRODUCTS (EVACOTE®)

Version: 2

### 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. <b>Call a physician to attend to the injury.</b>
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. <b>Call a physician to attend to the injury.</b>
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	If yes, under which conditions?
YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>	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.	
Special procedures	
Use water to keep containers cool.	

#### FIRE and EXPLOSION DATA

Flash point (ASTM D92) > 200°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	Sensitivity to static discharge Not Applicable
	Explosive power 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.

### 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 (local exhaust or hood). When working in confined areas, use of appropriate respiratory gear is recommended.

### SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES

Appearance White to dark amber	Odor None - strong 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) < 1.0%	Specific gravity (25°C) 0.90-0.96
Coeff. water / oil distribution < 0.01	Melt point 46-125°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, acetic acid* and other products such as aldehydes and ketones depending on conditions of oxidation. *Under excessive heating (over 200 °C)	

### 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/m <sup>3</sup> 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
TSCA status	This product, or its ingredients as a mixture, appears on the toxic substances control act inventory.



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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

**SECTION 16 -- OTHER**

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

Prepared by I. Davie	Signature Ian Davie
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<u>PRODUCT NUMBER</u>	<u>PRODUCT NUMBER</u>	<u>PRODUCT NUMBER</u>	<u>PRODUCT NUMBER</u>
7001	7246	7424	
7002	7247	7427	
7003	7255	7429	
7008	7255	7431	
7010	7264	7432	
7012	7271	7439	
7013	7272	7441	
7014	7273	7448	
7015	7274	7461	
7016	7276	7468	
7020	7277	7473	
7024	7279	7474	
7026	7283	7475	
7032	7284	7477	
7032B	7285	7477C	
7034	7286	7478	
7036	7287	7479	
7038	7288	7480	
7041	7291	7481	
7044	7292	7482	
7047	7292B	7483	
7048	7292C	7487	
7049	7292D	7488	
7055	7292E	7492	
7057	7292F	7493	
7058	7293	7496	
7065	7294	7526	
7077	7295	7532	
7079	7299	7536	
7086	7401	7542	
7089	7402	7548	
7094	7403	7549	
7094B	7404	7550	
7203	7405	7552	
7205	7406	7555	
7206	7407	7566	
7210	7407B	7567	
7211	7408	7570	
7216	7409	7571	
7216B	7410	7572	
7224	7410	7574	
7227	7411	7575	
7230	7413	7576	
7232	7414	7594	
7237	7416	7601	
7242	7416B	7613	
7243	7418	7647	
7245	7423		