THE
WESTERN NEW YORK
FLOOR COMPANY, INC.
ATHLETIC SURFACING SINCE 1958
www.wnyfloor.com

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ROCHESTER, NY 14611
(716) 527 - 9400
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FAX COVER SHEET

DATE: 9/25/00

TO: CITY OF SYRACUSE FAX NO.: (315) 435 4936

ATTN: DICK STEFANKO

FROM: ANDY SMITH

RE: MSDS FOR H.W. SMITH & CORCORAN

NO. OF PAGES INCLUDING COVER: 13

REMARKS:

AS REQUESTED.

-Andy

MATERIAL SAFETY DATA SHEET
FIINISHES, COATINGS AND RELATED MATERIALS

MANUFACTURER: *National Coatings Co.*
1 Paradise Park Road
Jacksonville, AR 72076

EMERGENCY CONTACT (INFOTRAC#): 1-800-535-5053

SECTION I PRODUCT IDENTIFICATION

PRODUCT NAME: PoloPlaz FAST BREAK Game Line Paint
PRODUCT CLASS: Graphics Arts Paint

FOR PROFESSIONAL USE ONLY

SECTION II HAZARDOUS INGREDIENTS

INGREDIENT	CAS#	WT%	REG SECTION	EXPOSURE LIMITS
Light Aliphatic Solvent Naphtha	64742-88-7	20-40	311,312	100 TWA/ACGIH
Solvent Naphtha, Heavy Aromatic	64742-95-6	0-3	311,312	50 TWA/ACGIH
Dipropylene Glycol Methyl Ether	111-76-2	0.2-0.6	313	100 TWA/ACGIH/OSHA 150 STEL/OSHA/ACGIH
1-Methoxy-2-Propyl Acetate	108-65-6	0.5-2.0	311,312	N/E
Titanium Dioxide	13463-67-7	0-35		15 mg/m3 TWA/OSHA 10 mg/m3 TWA/ACGIH
Carbon Black	1333-86-4	0-3.5		3.5 mg/m3 TWA/ACGIH
Iron Oxide	1332-37-2	0-5		10 mg/m3 TWA/OSHA 5 mg/m3TWA/ACGIH
Amorphous Silica	7631-86-9	0.0-0.5		20 mppcf TWA/OSHA 10 mg/m3 TWA/ACGIH
Surfactant NJTSR No. 56705700001-5384P	Trade Secret	0.5-1		N/E
Surfactant NJTSR No. 5605700001-5057P	Trade Secret	0-0.5		N/E
Manganese Dioxide	1313-13-9	0-0.5	313	5 mg/m3 (Mn) Ceiling OSHA 0.2 mg/m3 (Mn) TWA/ACGIH
Aluminum Oxide	1344-28-1	0-0.5		15 mg/m3 TWA/OSHA 10 mg/m3 TWA/ACGIH
Aluminum Hydroxide	21645-51-2	0-0.5		N/E

Amorphous Silica	7631-86-9	0-0.5		20 mppcf TWA/OSHA 10 mg/m3 TWA/ACGIH
Surfactant NJTSR No. 56705700001-5055P	Trade Secret	0-0.5		N/E
Silica, Crystalline (quartz)	14808-60-7	0-0.5		0.1 mg/m3 TWA OSHA/ACGIH
Calcium Oxide	1305-78-8	0-0.5		5 mg/m3 TWA/OSHA 2 mg/m3 TWA/ACGIH
Pigment NJTSR No. 56705700001-5664P	Trade Secret	0-0.5		10 mg/m3 (Fe) TWA/OSHA 5 mg/m3 (Fe) TWA/ACGIH
Pigment NJTSR No. 56705700001-5630P	Trade Secret	0-0.5		10 mg/m3 (Fe) TWA/OSHA 5 mg/m3 (Fe) TWA/ACGIH
Polymeric Fatty Acid	Trade Secret	0-0.5		N/E
Talc, Magnesium Silica Hydrate	14807-96-6	0-3.5		20 mppcf TWA/OSH 2 mg/m3 TWA/ACGIH
NJTSR No. 678290-00-2-5077-P PCP	Not Avaliable	0-0.5		2 mg/m3 TWA OSHA/ACGIH
Surfactant NJTSR No. 56705700001-5752P	Trade Secret	0-5		N/E
Polymer NJTSR No. 56705700001-5056P	Trade Secret	0-0.5		N/E
Surfactant NJTSR No. 56705700001-5018P	Trade Secret	0-0.5		N/E
Xylene (Mixed Isomers)	1330-20-7	1	311, 312, 313	100 FEDERAL PEL 100 STEL / ACGIH
1,2,4-Trimethlybenzene	95-63-6	0.4	311, 312, 313	125 TWA/ACGIG
Ethyl Toluenes	25550-14-5	0.2	311, 312, 313	N/E
Ethyl Benzene	100-41-4	0.1	311, 312, 313	100 TWA/ACGIG 125 STEL/ACGIH

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM
HEALTH: 1 FLAMMABILITY: 2 REACTIVITY: 0

SECTION III: PHYSICAL DATA

BOILING RANGE: 281-384° F
PERCENT VOLATILE BY VOLUME: 44.00
SPECIFIC GRAVITY: 0.9
VOLATILE ORGANIC CONTENT (VOC): <510 GRAMS/LITER
APPEARANCE AND ODOR: various color liquid
SOLUBILITY IN WATER: essentially nil
EVAPORATION RATE (N-BUTYL AC ETATE = 1): 0.11

VAPOR PRESSURE (MM HG @ 68° F): 5

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 103°F (SETAFLASH)
FLAMMABILITY CLASS: *Combustible*
FLAMMABILITY LIMITS (% BY VOLUME IN AIR AT 212° F)
LOWER EXPLOSION LIMIT: 1.00
UPPER EXPLOSION LIMIT: 7.00
EXTINQUISHING MEDIA: Use foam, carbon dioxide, or chemical fire fighting apparatus.
FIRE PREVENTION: When containers are open or during application keep away from open flames, sparks, electric motors and all sources of ignitions. Extinquish all pilot lights, turn off electrical equipment and disable hot water heaters, furnaces and the like.
SPECIAL FIRE FIGHTING PROCEDURES: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat.
UNUSUAL FIRE AND EXPLOSION HAZARDS: The use of self-contained breathing apparatus is recommended for fire fighters. Water spray may be used for cooling containers to prevent possible pressure build-up and auto-ignition or explosion when exposed to extreme heat. Avoid spreading burning liquid with water used for cooling.

SECTION V: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: See Section II
EFFECTS OF OVEREXPOSURE:
EYE CONTACT: Severe irritation, redness, tearing, and blurred vision.
SKIN CONTACT: Prolonged or repeated exposure can cause moderate irritation defatting and dermatitis.
INHALATION: Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, and headache. High concentrations may result in narcosis.
INGESTION: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into lungs can cause chemical pneumonitus which can be fatal.
CHRONIC OVEREXPOSURE: Chronic exposure may cause damage to the Central Nervous System, Respiratory System, Lungs, Eyes, Skin, Gastrointestinal Tract, Liver, Spleen and Kidneys.
EMERGENCY AND FIRST AID PROCEDURES
EYE CONTACT: Flush with clean, lukewarm water for at least 15 minutes, occasionally lifting eyelids. Obtain medical attention.
SKIN CONTACT: Remove contaminated clothing. Wash affected skin areas thoroughly with soap and water. Wash contaminated clothing thoroughly before reuse.
INHALATION: Remove victim to fresh air. Apply artificial respiration or administer oxygen, if necessary. Call a physician immediately.
INGESTION: Keep person warm, quiet and get immediate medical attention. Do not induce vomiting, because aspiration of matericla into the lungs from vomiting can cause chemical pneumonitis which can be fatal.
CA PROPOSITION 65: This product may contain the following substances know to the State of California to cause cancer: *Silica, Crystalline (quartz), CAS#14808-60-7, 0.2% (max).*

SECTION VI: REACTIVITY DATA

STABILITY: stable
INCOMPATIBILITY: Avoid contact with strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may yield carbon dioxide and/or carbon monoxide.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VII: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Evacuate all non-essential personnel. Remove all sources of ignition. Ventilate the area. Equip employees with appropriate protection equipment (see Section VIII). Dike around spilled material. Cover spill with inert absorbent material and shovel with non-sparking tools into container. Remove containers to safe area and seal.
WASTE DISPOSAL METHOD: Waste material must be disposed of in accordance with Federal, State, and Local environmental regulatory controls.

SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: *If engineering controls do not maintain airborne concentrations below recommended exposure* limits, an approved respirator must be worn. Respirator type: organic vapor. If respirators are used, a program should be instituted to assure compliance with OSHA Standard 29 CFR 1910.134.
VENTILATION: Local exhaust must be sufficient to keep airborne vapor concentrations velow the TLV limit. Exhaust air may need to bve cleaned by scrubbers or filters to reduce enviromental contamination.
PROTECTIVE GLOVES: Chemical resistant gloves.
EYE PROTECTION: Safety glasses with side shields.
OTHER PROTECTIVE EQUIPMENT: Eye bath and safety shower. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

SECTION IX: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
DRUMS: Protect against physical damage. Outside or detached storage preferred.
BULK: Storage should be in standard flammable liquid storage tanks.
OTHER PRECAUTIONS: All equipment should be grounded and bonded to reduce static electricity hazard. Use non-sparing tools.

OTHER COMMENTS

We recommend containers be either professionally reconditioned for reuse by certified firms or properly disposed of by certified firms to help reduce the possibility of an accident. Disposal of containers should be in accordance with applicable Federal, State, and Local laws and regulations. Empty drums should not be given to individuals.

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any representation or warranty, expressed or implied, regarding it's accuracy or correctness.

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SECTION VIII: SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: If engineering controls do not maintain *airborne concentrations* below recommended exposure limits, an approved respirator must be worn. Respirator type: organic vapor. If respirators are used, a program should be instituted to assure compliance with OSHA Standard 29 CFR *1910.134.*
VENTILATION: Local exhaust must be sufficient to keep airborne vapor concentrations velow the TLV limit. Exhaust air may need to bve *cleaned by scrubbers or filters* to reduce envirotmental contamination.
PROTECTIVE GLOVES: Chemical resistant gloves.
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WCFINISH.WPS

Revised: 3/5/97

MATERIAL SAFETY DATA SHEET
FINISHES, COATINGS AND RELATED MATERIALS

MANUFACTURER: National Coatings Co.
1 Paradise Park Road
Jacksonville, AR 72076

EMERGENCY CONTACT (INFOTRAC#): 1-800-535-5053

SECTION I PRODUCT IDENTIFICATION

PRODUCT NAME: Polo Plaz World Class Court and Gym Sealer
PRODUCT CLASS: Polyurethane Wood Sealer

SECTION II HAZARDOUS INGREDIENTS

INGREDIENT	CAS#	WT% (REG SECTION)			RQ(LBS)	
	TLV		SOURCE		IDLH	VAPOR
LEL						
	PPM	MG/M3		PPM	PRESSURE (mm HG @ 68*F)	
Light Aliphatic Solvent Naphtha						
	64742-88-7	63	(311, 312)			
	100		TWA/ACGIH			
Solvent Naphtha (Petroleum), Heavy Aromatic						
	64742-95-6	5	(311, 312)			
	50.0		TWA/ACGIH	N/E	10.0	0.9
	400.0	1600	FEDERAL PEL			
Xylene (Mixed Isomers)						
	1330-20-7	1	(311, 312, 313)			
	100	435	TWA/ACGIH	1000	8.0	1.0
	100	435	FEDERAL PEL			
	150	635	STEL/ACGIH			
	100	435	NIOSH			
1,2,4-Trimethlybenzene						
	95-63-6	0.4	(311, 312, 313)			
	25	125	TWA/ACGIH	N/E	1.7	0.9
	25	125	FEDERAL PEL			
Ethyl Toluenes						
	25550-14-5	0.2	(311, 312, 313)			
	N/E	N/E		N/E	1.0	N/E
Ethyl Benzene						
	100-41-4		0.1 (311, 312)			
	100	435	TWA/ACGIH	2000	7.1	0.8
	100	435	FEDERAL PEL			
	125	545	STEL/ACGIH			

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM
HEALTH: 1 FLAMMABILITY: 2 REACTIVITY: 0

SECTION III: PHYSICAL DATA

BOILING RANGE: 281-384°F
PERCENT VOLATILE BY VOLUME: 68
SPECIFIC GRAVITY: 0.9
VOLATILE ORGANIC CONTENT (VOC): *587 GRAMS/LITER*
APPEARANCE AND ODOR: Clear, Amber Liquid
SOLUBILITY IN WATER: essentially nil
EVAPORATION RATE (N-BUTYL ACETATE = 1): 0.11
VAPOR PRESSURE (MM HG @ 68°F): *5*

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 103°F (SETAFLASH)
FLAMMABILITY CLASS: Combustible
FLAMMABILITY LIMITS (% BY VOLUME IN AIR AT 212°F)
LOWER EXPLOSION LIMIT: *1.00*
UPPER EXPLOSION LIMIT: 7.00

EXTINQUISHING MEDIA: Use foam, carbon dioxide, or chemical fire fighting apparatus.
SPECIAL FIRE FIGHTING PROCEDURES: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat.
UNUSUAL FIRE AND EXPLOSION HAZARDS: The use of self-contained breathing apparatus is recommended for fire fighters. Water spray may be used for cooling containers to prevent possible pressure build-up and auto-ignition or explosion when exposed to extreme heat. Avoid spreading burning liquid with water used for cooling.
FIRE PREVENTION: When containers are open or during application keep away from open flames, sparks, electric motors and all sources of ignition. Extinquish all pilot lights, turn off electrical equipment and disable hot water heaters, furnaces and the like.

SECTION V: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: See Section II
EFFECTS OF OVEREXPOSURE:
EYE CONTACT: Severe irritation, redness, tearing, and blurred vision.
SKIN CONTACT: Prolonged or repeated exposure can cause moderate irritation defatting and dermatitis.
INHALATION: Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, and headache. High concentrations may result in narcosis.
INGESTION: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into lungs can cause chemical pneumonitus which can be fatal.
CHRONIC OVEREXPOSURE: Chronic exposure may cause damage to the Central Nervous System, Respiratory System, Lungs, Eyes, Skin, Gastrointestinal Tract, Liver, Spleen and Kidneys.
EMERGENCY AND FIRST AID PROCEDURES
EYE CONTACT: Flush with clean, lukewarm water for at least 15 minutes, occasionally lifting eyelids. Obtain medical attention.
SKIN CONTACT: Remove contaminated clothing. Wash affected skin areas thoroughly with soap and water. Wash contaminated clothing thoroughly before reuse.
INHALATION: Remove victim to fresh air. Apply artificial respiration or administer oxygen, if *necessary. Call a physician immediately.*

INGESTION: Keep person warm, quiet and get immediate medical attention. Do not induce vomiting, because aspiration of matericia into the lungs from vomiting can cause chemical pneumonitis which can be fatal.

SECTION VI: REACTIVITY DATA

STABILITY: stable
INCOMPATIBILITY: Avoid contact with strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may yield carbon dioxide and/or carbon monoxide.
HAZARDOUS POLYMERIZATION: *Will not occur.*

SECTION VII: SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Evacuate all non-essential personnel. Remove all sources of ignition. Ventilate the area. Equip employees with appropriate protection equipment (see Section VIII). Dike around spilled material. Cover spill with inert absorbent material and shovel with non-sparking tools into container. Remove containers to safe area and seal.
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PRODUCT CLASS: Polyurethane Wood Finish

SECTION II HAZARDOUS INGREDIENTS

INGREDIENT	CAS#	TLV PPM	TLV MG/M3	WT% (REG SECTION) SOURCE	IDLH PPM	VAPOR PRESSURE (mm HG @ 68°F)	RQ(LBS) LEL
Light Aliphatic Solvent Naphtha	64742-88-7		50	(311, 312)			
		100		TWA/ACGIH			
Solvent Naphtha (Petroleum), Heavy Aromatic	64742-95-6		5	(311, 312)			
		50.0		TWA/ACGIH	N/E	10.0	0.9
		400.0	1600	FEDERAL PEL			
Xylene (Mixed Isomers)	1330-20-7		1	(311, 312, 313)			
		100	435	TWA/ACGIH	1000	8.0	1.0
		100	435	FEDERAL PEL			
		150	635	STEL/ACGIH			
		100	435	NIOSH			
1,2,4-Trimethlybenzene	95-63-6		0.4	(311, 312, 313)			
		25	125	TWA/ACGIH	N/E	1.7	0.9
		25	125	FEDERAL PEL			
Ethyl Toluenes	25550-14-5		0.2	(311, 312, 313)			
		N/E	N/E		N/E	1.0	N/E
Ethyl Benzene	100-41-4			0.1 (311, 312)			
		100	435	TWA/ACGIH	2000	7.1	0.8
		100	435	FEDERAL PEL			
		125	545	STEL/ACGIH			

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM
HEALTH: 1 FLAMMABILITY: 2 REACTIVITY: 0

SECTION III: PHYSICAL DATA

BOILING RANGE: 281-384*F
PERCENT VOLATILE BY VOLUME: 55.00
SPECIFIC GRAVITY: 0.9
VOLATILE ORGANIC CONTENT (VOC): 510 GRAMS/LITER
APPEARANCE AND ODOR: Clear, Amber Liquid
SOLUBILITY IN WATER: essentially nil
EVAPORATION RATE (N-BUTYL AC ETATE = 1): 0.11
VAPOR PRESSURE (MM HG @ 68*F): 5

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 103*F (SETAFLASH)
FLAMMABILITY CLASS: Combustible
FLAMMABILITY LIMITS (% BY VOLUME IN AIR AT 212*F)
LOWER EXPLOSION LIMIT: 1.00
UPPER EXPLOSION LIMIT: 7.00

EXTINQUISHING MEDIA: Use foam, carbon dioxide, or chemical fire fighting apparatus.
SPECIAL FIRE FIGHTING PROCEDURES: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat.
UNUSUAL FIRE AND EXPLOSION HAZARDS: The use of self-contained breathing apparatus is recommended for fire fighters. Water spray may be used for cooling containers to prevent possible pressure build-up and auto-ignition or explosion when exposed to extreme heat. Avoid spreading burning liquid with water used for cooling.
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SECTION V: HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: See Section II
EFFECTS OF OVEREXPOSURE:
EYE CONTACT: Severe irritation, redness, tearing, and blurred vision.
SKIN CONTACT: Prolonged or repeated exposure can cause moderate irritation defatting and dermatitis.
INHALATION: Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, and headache. High concentrations may result in narcosis.
INGESTION: Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of material into lungs can cause chemical pneumonitus which can be fatal.
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