MATERIAL SAFETY DATA SHEET

70-L/N

2005b

Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER

70- Series

HMIS CODES

Health	2*
Flammability	3
Reactivity	0

PRODUCT NAME

PRISM® Reduced Gloss, Semi Gloss 45-55 degrees, All Colors

MANUFACTURER'S NAME

THE MARTIN SENOUR COMPANY
4440 Warrensville Center Road
Warrensville Hts., OH 44128-2837

EMERGENCY TELEPHONE NO.

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DATE OF PREPARATION

15-DEC-05

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Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS

% by WT	CAS No.	INGREDIENT			UNITS	VAPOR PRESSURE
0-2	94-96-2	2-Ethyl-1,3-hexanediol				
			ACGIH TLV	Not Available		0.001 mm
			OSHA PEL	Not Available		
9-14	67-64-1	Acetone				
			ACGIH TLV	500	ppm	180 mm
			ACGIH TLV	750	ppm STEL	
			OSHA PEL	1000	ppm	
0-4	107-87-9	Methyl n-Propyl Ketone				
			ACGIH TLV	200	ppm	27.8 mm
			ACGIH TLV	250	ppm STEL	
			OSHA PEL	200	ppm	
			OSHA PEL	250	ppm STEL	
4-8	110-43-0	Methyl n-Amyl Ketone				
			ACGIH TLV	50	ppm	2.14 mm
			OSHA PEL	100	ppm	
2-7	590-01-2	n-Butyl Propionate				
			ACGIH TLV	Not Available		3.44 mm
			OSHA PEL	Not Available		
12-19	123-86-4	n-Butyl Acetate				
			ACGIH TLV	150	ppm	10 mm
			ACGIH TLV	200	ppm STEL	
			OSHA PEL	150	ppm	
			OSHA PEL	200	ppm STEL	
0-2	108-65-6	1-Methoxy-2-Propanol Acetate				
			ACGIH TLV	Not Available		1.8 mm
			OSHA PEL	Not Available		
5-10	112926-00-8	Amorphous Precipitated Silica				
			ACGIH TLV	10	mg/m3 as Dust	
			OSHA PEL	6	mg/m3 as Dust	
2-4	14807-96-6	Talc				
			ACGIH TLV	2	mg/m3 as Resp. Dust	
			OSHA PEL	2	mg/m3 as Resp. Dust	
0-40	13463-67-7	Titanium Dioxide				
			ACGIH TLV	10	mg/m3 as Dust	
			OSHA PEL	10	mg/m3 Total Dust	
			OSHA PEL	5	mg/m3 Respirable Fraction	

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0-2	1333-86-4	Carbon Black		
		ACGIH TLV	3.5	mg/m3
		OSHA PEL	3.5	mg/m3
0-40	8007-18-9	Nickel Antimony Titanate		
		ACGIH TLV	0.5	mg/m3
		OSHA PEL	0.5	mg/m3

CERTAIN COLORS CONTAIN LEAD AND CHROMIUM (see PRODUCT LABEL)

<29	1344-37-2	Lead Chromate		
		ACGIH TLV	0.05	mg/m3
		OSHA PEL	0.05	mg/m3
<30	12656-85-8	Molybdate Orange		
		ACGIH TLV	0.05	mg/m3
		OSHA PEL	0.05	mg/m3

4.3	maximum	Antimony (as Sb)
19.0	maximum	Lead (as Pb)
4.1	maximum	Chromium VI (as Cr)

Section 3 -- HAZARDS IDENTIFICATION

ROUTES OF EXPOSURE

INHALATION of vapor or spray mist.

EYE or SKIN contact with the product, vapor or spray mist.

EFFECTS OF OVEREXPOSURE

EYES: Irritation.

SKIN: Prolonged or repeated exposure may cause irritation.

INHALATION: Irritation of the upper respiratory system.

May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

Certain colors contain Lead (see PRODUCT LABEL). Acute occupational exposure to Lead is uncommon, but results in effects and symptoms similar to chronic overexposure described below.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Required hardener contains isocyanates. Isocyanates may cause allergic respiratory and/or skin reaction in susceptible persons or sensitization. This effect may be delayed several hours after exposure.

CANCER INFORMATION

For complete discussion of toxicology data refer to Section 11.

Section 4 -- FIRST AID MEASURES

EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

SKIN: Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.

INHALATION: If any breathing problems occur during use, LEAVE THE AREA and get fresh air. If problems remain or occur later, IMMEDIATELY get medical attention.

INGESTION: Do not induce vomiting. Get medical attention immediately.

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Section 5 -- FIRE FIGHTING MEASURES

FLASH POINT	LEL	UEL
2-5 °F TCC	1.1	13.1

FLAMMABILITY CLASSIFICATION

RED LABEL -- Extremely Flammable, Flash below 21 °F

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers may explode when exposed to extreme heat.

Application to hot surfaces requires special precautions.

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Section 6 -- ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate the area.

Remove with inert absorbent.

Section 7 -- HANDLING AND STORAGE

STORAGE CATEGORY

DOL Storage Class IB

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Contents are EXTREMELY FLAMMABLE. Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively.

During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

Consult NFPA Code. Use approved Bonding and Grounding procedures.

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children.

Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION

PRECAUTIONS TO BE TAKEN IN USE

NO PERSON SHOULD USE THESE PRODUCTS, OR BE IN THE AREA WHERE THESE PRODUCTS ARE BEING USED, IF THEY HAVE CHRONIC (LONG-TERM) LUNG OR BREATHING PROBLEMS OR IF THEY EVER HAD A REACTION TO ISOCYANATES.

Certain colors contain Lead (see PRODUCT LABEL). Before initial use, consult OSHA's 'Standard for Occupational Exposure to Lead' (29 CFR 1910.1025).

Use only with adequate ventilation.

Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.

Wash hands after using.

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These coatings may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m3 (total dust), 3 mg/m3 (respirable fraction), OSHA PEL 15 mg/m3 (total dust), 5 mg/m3 (respirable fraction).

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

Where overspray is present, a positive pressure air supplied respirator (TC19C NIOSH/MSHA approved) should be worn. If unavailable, a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2 may be effective. Follow respirator manufacturer's directions for use. Wear the respirator for the whole time of spraying and until all vapors and mists are gone. NO PERSONS SHOULD BE ALLOWED IN THE AREA WHERE THESE PRODUCTS ARE BEING USED UNLESS EQUIPPED WITH THE SAME RESPIRATOR PROTECTION RECOMMENDED FOR THE PAINTERS.

When sanding, wirebrushing, abrading, burning or welding the dried film, wear a particulate respirator approved by NIOSH/MSHA for protection against non-volatile materials in Section 2.

PROTECTIVE GLOVES

To prevent skin contact, wear gloves which are recommended by glove supplier for protection against materials in Section 2.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

OTHER PROTECTIVE EQUIPMENT

Use barrier cream on exposed skin.

OTHER PRECAUTIONS

Certain colors contain Lead and Chromium (see PRODUCT LABEL). Do not apply on toys and other children's articles, furniture, or any interior surface of a dwelling or facility which may be occupied or used by children. Do not apply on any exterior surface of dwelling units, such as window sills, porches, stairs, or railings to which children may be commonly exposed.

These products must be mixed with other components before use. Before opening the packages, READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS.

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT WEIGHT	8.5-12.3 lb/gal	1020-1470 g/l
SPECIFIC GRAVITY	1.02-1.48	
BOILING POINT	132-308 °F	55-153 °C
MELTING POINT	Not Available	
VOLATILE VOLUME	60-65 %	
EVAPORATION RATE	Slower than ether	
VAPOR DENSITY	Heavier than air	
SOLUBILITY IN WATER	N.A.	

VOLATILE ORGANIC COMPOUNDS (VOC Theoretical)

3.2-3.7 lb/gal	380-440 g/l	Less Water and Federally Exempt Solvents
2.7-3.0 lb/gal	320-360 g/l	Emitted VOC

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Section 10 -- STABILITY AND REACTIVITY

STABILITY -- Stable

CONDITIONS TO AVOID

None known.

INCOMPATIBILITY

Metallic may contain Aluminum. Contamination with Water, Acids, or Alkalis can cause evolution of hydrogen, which may result in dangerously increased pressures in closed containers.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide, Oxides of Metals in Section 2

HAZARDOUS POLYMERIZATION

Will not occur

Section 11 -- TOXICOLOGICAL INFORMATION

CHRONIC HEALTH HAZARDS

Certain colors contain Lead and Chromium (see PRODUCT LABEL). Chronic overexposure to Lead may result in damage to the blood-forming, nervous, urinary, and reproductive systems (including embryotoxic effects). Symptoms include abdominal discomfort or pain, constipation, loss of appetite, metallic taste, nausea, insomnia, nervous irritability, weakness, muscle and joint pains, headache and dizziness.

Carbon Black is classified by IARC as possibly carcinogenic to humans (group 2B) based on experimental animal data, however, there is insufficient evidence in humans for its carcinogenicity.

Limited evidence exists linking certain Nickel compounds to cancer in animals and possibly humans, however no direct evidence exists that Nickel Antimony Titanate is carcinogenic.

Chromates are listed by IARC and NTP. Although studies have associated exposure to Chromium VI compounds with an increased risk of respiratory cancer, available evidence indicates that Lead Chromate (Chrome Yellow, Molybdate Orange) DOES NOT present this hazard.

Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver, urinary and blood forming systems.

Persons sensitive to isocyanates will experience increased allergic reaction on repeated exposure.

Rats exposed to titanium dioxide dust at 250 mg./m3 developed lung cancer, however, such exposure levels are not attainable in the workplace.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

2-Ethyl-1,3-hexanediol is considered an animal teratogen. It has been shown to cause birth defects and reproductive disorders in laboratory animals. There is no evidence to indicate it causes birth defects in humans.

TOXICOLOGY DATA

CAS No.	Ingredient Name					
94-96-2	2-Ethyl-1,3-hexanediol					
		LC50	RAT	4HR	Not Available	
		LD50	RAT		1400	mg/kg
67-64-1	Acetone					
		LC50	RAT	4HR	Not Available	
		LD50	RAT		5800	mg/kg
107-87-9	Methyl n-Propyl Ketone					
		LC50	RAT	4HR	Not Available	
		LD50	RAT		1600	mg/kg

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TOXICOLOGY DATA (continued)

CAS No.	Ingredient Name				
110-43-0	Methyl n-Amyl Ketone				
		LC50	RAT	4HR	Not Available
		LD50	RAT		1670 mg/kg
590-01-2	n-Butyl Propionate				
		LC50	RAT	4HR	Not Available
		LD50	RAT		Not Available
123-86-4	n-Butyl Acetate				
		LC50	RAT	4HR	2000 ppm
		LD50	RAT		13100 mg/kg
108-65-6	1-Methoxy-2-Propanol Acetate				
		LC50	RAT	4HR	Not Available
		LD50	RAT		8500 mg/kg
112926-00-8	Amorphous Precipitated Silica				
		LC50	RAT	4HR	Not Available
		LD50	RAT		4500 mg/kg
14807-96-6	Talc				
		LC50	RAT	4HR	Not Available
		LD50	RAT		Not Available
13463-67-7	Titanium Dioxide				
		LC50	RAT	4HR	Not Available
		LD50	RAT		Not Available
1333-86-4	Carbon Black				
		LC50	RAT	4HR	Not Available
		LD50	RAT		Not Available
1344-37-2	Lead Chromate				
		LC50	RAT	4HR	Not Available
		LD50	RAT		Not Available
8007-18-9	Nickel Antimony Titanate				
		LC50	RAT	4HR	Not Available
		LD50	RAT		500 mg/kg
12656-85-8	Molybdate Orange				
		LC50	RAT	4HR	Not Available
		LD50	RAT		Not Available

Section 12 -- ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

No data available.

Section 13 -- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD

Waste from these products may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Waste must be tested for ignitability and extractability to determine the applicable EPA hazardous waste numbers.

Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

Section 14 -- TRANSPORT INFORMATION

No data available.

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Section 15 -- REGULATORY INFORMATION

SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
	Chromium Compound	max 29	4.1
	Nickel Compound	max 40	1.3
	Antimony Compound	max 40	4.3
	Lead Compound	max 29	19.0

CALIFORNIA PROPOSITION 65

WARNING: These products contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA CERTIFICATION

All chemicals in these products are listed, or are exempt from listing, on the TSCA Inventory.

Section 16 -- OTHER INFORMATION

These products have been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

The above information pertains to these products as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to these products may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.