

— Section 1 —
Product Identification



Automotive Finishes

Material Safety Data Sheet

The Martin Senour Co.
101 Prospect Ave. N.W.
Cleveland, OH 44115

Emergency telephone number
Information telephone number
Date of preparation

(216) 566-2917
(216) 566-2902
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P-LAC/N2

Lacquer Primers

— SECTION II —		ACGIH	OSHA		Vapor	5500	5501	5502	8840	8841	P E R C E N T B Y W E I G H T
CAS No.	HAZARDOUS INGREDIENT (percent by weight)	TLV <STEL>	PEL <STEL>	Units	Pressure (mm Hg)	Poly/SATIN® Gray	Acrylic Sealers Red Oxide	Transparent	Retarder	Urethane Retarder	
64742-89-8	Lt. Aliphatic HC Solvent.	100	100	PPM	53.0	2	2	1			No ingredients in this product are hazardous as defined by the Department of Labor.
108-88-3	§ Toluene.	50	100 <150>	PPM (Skin)	22.0	31	31	13	18		
100-41-4	§ Ethylbenzene	100 <125>	100 <125>	PPM	7.1	1	1				
1330-20-7	§ Xylene.	100 <150>	100 <150>	PPM	5.9	8	8	2			
67-63-0	2-Propanol	400 <500>	400 <500>	PPM	33.0	7	7	10			
67-64-1	Acetone.	500 <750>	1000	PPM	180.0	3	3	14			
78-93-3	§ Methyl Ethyl Ketone.	200 <300>	200 <300>	PPM	70.0	2	2	14			
108-10-1	§ Methyl Isobutyl Ketone.	50 <75>	50 <75>	PPM	16.0	7	7				
110-43-0	Methyl n-Amyl Ketone.	50	100	PPM	2.1			5			
123-86-4	n-Butyl Acetate.	150 <200>	150 <200>	PPM	10.0	13	13	17	21		
90438-79-2	Oxo-Heptyl Acetate.	Not Established			0.8			2			
112-07-2	§ 2-Butoxyethyl Acetate.	Not Established			1.0				56		
108-65-6	1-Methoxy-2-Propanol Acetate	Not Established			1.8			2	4		
14807-96-6	Talc	2	2	Mg/M3	as Resp. Dust	2	2				
471-34-1	Calcium Carbonate.	10	15[5]	Mg/M3	as Dust [Resp. Fraction]			2			
7727-43-7	Barium Sulfate.	10	10[5]	Mg/M3	as Dust [Resp. Fraction]	4	3				
13463-67-7	Titanium Dioxide.	10	10[5]	Mg/M3	as Dust [Resp. Fraction]	3	3				
1333-86-4	Carbon Black.	3.5	3.5	Mg/M3		0.2	0.1				
	[% Barium]					[2.1]	[0.1]				
	Weight per Gallon (lbs.)					7.92	7.94	7.35	7.58	9.15	
	VOC (Volatile Organic Compounds) Total - lbs./gal.					5.71	5.71	4.98	7.58		
	VOC Less Water & Federally Exempt Solvents - lbs./gal.					5.94	5.95	5.88	7.58	1	
	Photochemically Reactive					Yes	Yes	No	No	No	
	Flash Point (°F) / DOL Storage Category					48 / 1B	48 / 1B	24 / 1B	40 / 1B	202 / 3B	
	Flammability Classification (Flammable - Combustible - Not Applicable)					Flam.	Flam.	Flam.	Flam.	NAP	
	HMIS (NFPA) Rating (health - flammability - reactivity)					2* - 3 - 0	2* - 3 - 0	2 - 3 - 0	2 - 3 - 0	1 - 1 - 0	

§ Ingredient subject to the reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313, 40 CFR 372.65 C

Section 3 — Physical Data

<i>PRODUCT WEIGHT</i>	See TABLE	<i>EVAPORATION RATE</i>	Slower than Ether
<i>SPECIFIC GRAVITY</i>	0.88-1.10	<i>VAPOR DENSITY</i>	Heavier than Air
<i>BOILING RANGE</i>	132-419 °F	<i>MELTING POINT</i>	N.A.
<i>VOLATILE VOLUME</i>	85-100 %	<i>SOLUBILITY IN WATER</i>	N.A.

Section 4 — Fire And Explosion Hazard Data

FLAMMABILITY CLASSIFICATION *FLASH POINT* See TABLE *LEL* 0.5 *UEL* 13.1

See TABLE

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks, and open flame. 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 5 — Health Hazard Data

ROUTES OF EXPOSURE

Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use.

Alcohols and acetates can be absorbed through the skin. Follow recommendations for proper use, ventilation, and personal protective equipment to minimize exposure.

ACUTE Health Hazards

EFFECTS OF OVEREXPOSURE

Irritation of eyes, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

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

None generally recognized.

EMERGENCY AND FIRST AID PROCEDURES

If INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet.

If on SKIN: Wash affected area thoroughly with soap and water.

Remove contaminated clothing and launder before re-use.

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

If SWALLOWED: Urethane Retarder => Get medical attention.

Other Products => Never give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING. Give conscious patient several glasses of water. Seek medical attention.

CHRONIC Health Hazards

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.

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

Methyl Ethyl Ketone may increase the nervous system effects of other solvents.

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.

Section 6 — Reactivity Data

STABILITY — Stable

CONDITIONS TO AVOID

None known.

INCOMPATIBILITY

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION — Will Not Occur

Section 7 — Spill Or Leak Procedures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate and remove with inert absorbent.

WASTE DISPOSAL METHOD

Waste from Urethane Retarder is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste from other products may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Waste from products containing Methyl Ethyl Ketone may also require extractability testing.

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

Section 8 — Protection Information

PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.

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

If personal exposure cannot be controlled below applicable limits by ventilation wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section 2.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

Section 9 — Precautions

DOL STORAGE CATEGORY — See TABLE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep away from heat, sparks, and open flame.

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.

OTHER PRECAUTIONS

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

Section 10 — Other Regulatory Information

CALIFORNIA PROPOSITION 65

WARNING: These products, except for 8841, 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.

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 products. 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.