

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
March 12, 2001

© 2001, The Martin Senour Co.

Acrylic Lacquer filled in 23-12 Can

23-12/N

CAS No.	Section 2 — Hazardous Ingredients (percent by weight)	ACGIH TLV <STEL>	OSHA PEL <STEL>	Units	Vapor Pressure (mm Hg)	23-12 Empty Can	Trilingual Label	
							Filled with No Lead Colors	Filled with Lead Colors
74-98-6	Propane (propellant)		1000	ppm	760.0	22	14	14
108-88-3	§ Toluene	50	100 <150>	ppm (Skin)	22.0		5 - 16	5 - 16
1330-20-7	§ Xylene	100 <150>	100 <150>	ppm	5.9	4	3 - 9	3 - 9
123-42-2	Diacetone Alcohol	50	50	ppm	1.2	4	3	3
67-64-1	Acetone	500 <750>	1000	ppm	180.0	70	45	45
67-63-0	2-Propanol	400 <500>	400 <500>	ppm	33.0		0.5 - 3	0.5 - 3
78-93-3	§ Methyl Ethyl Ketone	200 <300>	200 <300>	ppm	70.0		3 - 7	3 - 7
108-10-1	§ Methyl Isobutyl Ketone	50 <75>	50 <75>	ppm	16.0		0 - 7	0 - 7
141-87-6	Ethyl Acetate	400	400	ppm	86.0		0 - 4	0 - 4
123-86-4	n-Butyl Acetate	150 <200>	150 <200>	ppm	10.0		0 - 9	0 - 9
112-07-2	2-Butoxyethyl Acetate	20	20	ppm (Skin)	1.0		0.4 - 1	0.4 - 1
14807-96-6	Talc	2	2	mg/m3 as Dust			0 - 2	0 - 2
13463-67-7	Titanium Dioxide	10	10[5]	mg/m3 as Dust (Resp. Fraction)			0 - 5	0 - 5
1333-86-4	Carbon Black	3.5	3.5	mg/m3			0 - 0.5	0 - 0.5
1344-37-2	Lead Chromate							
12656-85-8	Molybdate Orange	0.05	0.05	mg/m3				<5
§ Lead Compound [% Lead] - maximum								
§ Chromium VI Compound [% Chromium] - maximum								
Weight per Gallon (lbs.)		5.9						
VOC (Volatile Organic Compounds) Total - lbs/gal		1.80						
VOC Less Water & Federally Exempt Solvents - lbs/gal		4.83						
HMIS® (NFPA) Rating (health - flammability - reactivity)		2 - 4 - 0						

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

Acrylic Lacquer filled in 23-12 can

23-12/N

Section 3 — Physical Data

PRODUCT WEIGHT See TABLE
 SPECIFIC GRAVITY 0.71-0.82
 BOILING RANGE <0-658 °F
 VOLATILE VOLUME >75 %

EVAPORATION RATE Faster than Ether
 VAPOR DENSITY Heavier than Air
 MELTING POINT N.A.
 SOLUBILITY IN WATER N.A.

Section 4 — Fire and Explosion Hazard Data

FLAMMABILITY CLASSIFICATION FLASH POINT <0 °F PMCC
 EXTINGUISHING MEDIA LEL 0.5 UEL 12.0
 Carbon Dioxide Dry Chemical, Foam

INITIAL 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. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

ACUTE HEALTH HAZARDS
 Irritation of nose, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death. Certain colors contain Lead (See TABLE and PRODUCT LABEL). Acute occupational exposure to Lead is hazardous but results in 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
 None known.

EMERGENCY AND FIRST AID PROCEDURES
 IF INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet. Wash affected area thoroughly with soap and water.
 IF ON SKIN: 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: Do not induce vomiting. Get medical attention immediately.

CHRONIC HEALTH HAZARDS
 Certain colors contain Lead and/or Chromate (See TABLE and 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 pain, headache and dizziness.

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 (Chroma Yellow, Molybdate Orange) DOES NOT present this hazard.

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.

Methyl Ethyl Ketone may increase the nervous system effects of other solvents. Prolonged overexposure to solvent ingredients in Section 3 may cause adverse effects to the liver, urinary, blood forming, cardio-vascular, and reproductive systems. Data 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 Carbon Monoxide, Oxides of Metals in Section 2
 By fire: Carbon Dioxide, Carbon Monoxide, Oxides of Metals in Section 2
 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 absorbents. NOTIFY APPLICABLE AGENCIES.

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 to determine the applicable EPA hazardous waste numbers. Waste from products containing Lead or Chromate must be tested for extractability. Waste from products containing Methyl Ethyl Ketone may also require testing for extractability.

Do not incinerate. Depressure container. Dispose of in accordance with Federal, State, and local regulations regarding pollution.

Section 8 — Protection Information

PRECAUTIONS TO BE TAKEN BY USER
 Certain colors contain Lead (See TABLE and PRODUCT LABEL). Before initial use of Lead-containing colors, consult OSHA's Standard for Occupational Exposure to Lead (29 CFR 1910.1025).

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, 1910.101, 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, 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
 None required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact, wear chemical resistant gloves.

EYE PROTECTION
 Wear safety spectacles with unperforated side shields.

Section 9 — Precautions
DO NOT STORE CATEGORY - 1b
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. Contents under pressure. Do not puncture, incinerate, or expose to temperature above 120 °F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of the reach of children.

OTHER PRECAUTIONS
 Certain colors contain Lead (See TABLE and PRODUCT LABEL). Do not apply lead-containing colors on toys or 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.

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

Section 10 — Other Regulatory Information
TECA CERTIFICATION
 All chemicals in these products are listed, or are exempt from listing, on the TSCA Inventory. CALIFORNIA PROPOSITION 65
 WARNING: These products contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

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 product may substantially alter the composition and hazards of the product. Sales 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.

11-1