

Attn: Ray Marquez

NAPA - LACQUER THINNER

MATERIAL SAFETY DATA SHEET

15240

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Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER	HMIS CODES	
15240	Health	3
	Flammability	3
	Reactivity	0

PRODUCT NAME

CROSSFIRE* Lacquer Thinner

MANUFACTURER'S NAME

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

EMERGENCY TELEPHONE NO

(216) 566-2917

DATE OF PREPARATION

05-AUG-03

INFORMATION TELEPHONE NO

(216) 566-2902

Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS

% by WT	CAS No.	INGREDIENT	UNITS	VAPOR PRESSURE
23	64742-89-8	Lt. Aliphatic Hydrocarbon Solvent		
		ACGIH TLV	100 ppm	53 mm
		OSHA PEL	100 ppm	
31	108-88-3	Toluene		
		ACGIH TLV	50 ppm (skin)	22 mm
		OSHA PEL	100 ppm (skin)	
		OSHA PEL	150 ppm (skin) STEL	

0.8	100-41-4	Ethylbenzene			
		ACGIH TLV	100 ppm		7.1 mm
		ACGIH TLV	125 ppm STEL		
		OSHA PEL	100 ppm		
		OSHA PEL	125 ppm STEL		
5	1330-20-7	Xylene			
		ACGIH TLV	100 ppm		5.9 mm
		ACGIH TLV	150 ppm STEL		
		OSHA PEL	100 ppm		
		OSHA PEL	150 ppm STEL		
8	67-56-1	Methanol			
		ACGIH TLV	200 ppm (skin)		92 mm
		ACGIH TLV	250 ppm (skin) STEL		
		OSHA PEL	200 ppm (skin)		
		OSHA PEL	250 ppm (skin) STEL		
10	67-63-0	2-Propanol			
		ACGIH TLV	400 ppm		33 mm
		ACGIH TLV	500 ppm STEL		
		OSHA PEL	400 ppm		
		OSHA PEL	500 ppm STEL		
1	111-76-2	2-Butoxyethanol			
		ACGIH TLV	20 ppm (skin)		0.88 mm
		OSHA PEL	20 ppm (skin)		
14	67-64-1	Acetone			
		ACGIH TLV	500 ppm		180 mm
		ACGIH TLV	750 ppm STEL		
		OSHA PEL	1000 ppm		

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5	108-10-1	Methyl Isobutyl Ketone		
		ACGIH TLV	50 ppm	16 mm
		ACGIH TLV	75 ppm STEL	
		OSHA PEL	50 ppm	
		OSHA PEL	75 ppm STEL	
2	77-76-9	Dimethoxypropane		
		ACGIH TLV	Not Available	76 mm
		OSHA PEL	Not Available	

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Section 3 -- HAZARDS IDENTIFICATION
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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

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 generally recognized

CANCER INFORMATION

For complete discussion of toxicology data refer to Section 11
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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 affected, remove from exposure. Restore breathing
Keep warm and quiet

INGESTION: Do not induce vomiting
Get medical attention immediately

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Section 5 -- FIRE FIGHTING MEASURES

FLASH POINT	LEL	UEL
21 F TCC	1.0	36.5

FLAMMABILITY CLASSIFICATION

RED LABEL -- Flammable, Flash below 100 F

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

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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

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 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

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 Section 7 -- HANDLING AND STORAGE

STORAGE CATEGORY

DOL Storage Class IB

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

- Contents are FLAMMABLE. 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

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Section 8 -- EXPOSURE CONTROLS/PERSONAL PROTECTION

PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation

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

Wash hands after using

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

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

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OTHER PRECAUTIONS

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

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Section 9 -- PHYSICAL AND CHEMICAL PROPERTIES
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PRODUCT WEIGHT 6.64 lb/gal 796 g/l
SPECIFIC GRAVITY 0.80
BOILING POINT 132 - 343 F 55 - 172 C
MELTING POINT Not Available
VOLATILE VOLUME 100
EVAPORATION RATE Slower than ether
VAPOR DENSITY Heavier than air
SOLUBILITY IN WATER N.A
VOLATILE ORGANIC COMPOUNDS (VOC Theoretical
 6.65 lb/gal 797 g/l Less Water and Federally Exempt Solvents
 5.71 lb/gal 685 g/l Emitted VOC

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Section 10 -- STABILITY AND REACTIVITY
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STABILITY -- Stable

CONDITIONS TO AVOID

None known

INCOMPATIBILITY

None known

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION

Will not occur

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Section 11 -- TOXICOLOGICAL INFORMATION
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CHRONIC HEALTH HAZARDS

Ethylbenzene is classified by IARC as possibly carcinogenic to humans (2B) based on inadequate evidence in humans and sufficient evidence in laboratory animals. Lifetime inhalation exposure of rats and mice to high ethylbenzene concentrations resulted in increases in certain types of cancer, including kidney tumors in rats and lung and liver tumors in mice. These effects were not observed in animals exposed to lower concentrations. There is no evidence that ethylbenzene causes cancer in humans.

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

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

 TOXICOLOGY DATA

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CAS No.	Ingredient Name	LC50	RAT	4HR	Not Available
64742-89-8	Lt. Aliphatic Hydrocarbon Solvent				

		LD50	RAT		Not Available
108-88-3	Toluene				
		LC50	RAT	4HR	4000 ppm
		LD50	RAT		5000 mg/kg
100-41-4	Ethylbenzene				
		LC50	RAT	4HR	Not Available
		LD50	RAT		3500 mg/kg
1330-20-7	Xylene				
		LC50	RAT	4HR	5000 ppm
		LD50	RAT		4300 mg/kg
67-56-1	Methanol				
		LC50	RAT	4HR	64000 ppm
		LD50	RAT		5630 mg/kg
67-63-0	2-Propanol				
		LC50	RAT	4HR	Not Available
		LD50	RAT		5045 mg/kg
111-76-2	2-Butoxyethanol				
		LC50	RAT	4HR	Not Available
		LD50	RAT		470 mg/kg
67-64-1	Acetone				
		LC50	RAT	4HR	Not Available
		LD50	RAT		5800 mg/kg
108-10-1	Methyl Isobutyl Ketone				
		LC50	RAT	4HR	Not Available
		LD50	RAT		2080 mg/kg
77-76-9	Dimethoxypropane				
		LC50	RAT	4HR	Not Available
		LD50	RAT		Not Available

Section 12 -- ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION

No data available

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Section 13 -- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD

Waste from this product 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

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

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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

The above information pertains to this product as currently formulated and is based on the information available at this time. Addition of reducers or other additives to this product 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