

# CROSSFIRE<sup>®</sup> Lacquer Thinner

15240/N



Automotive Finishes

03

## Material Safety Data Sheet

### Section 1 - Product and Company Identification

PRODUCT NUMBER	15240	HMIS CODES	
		Health	3*
		Flammability	3
		Reactivity	0
PRODUCT NAME	CROSSFIRE <sup>®</sup> Lacquer Thinner		
MANUFACTURER'S NAME	MARTIN SENOUR PAINTS	EMERGENCY TELEPHONE NO.	(216) 566-2917
	4440 Warrensville Center Road Warrensville Hts., OH 44128-2837		
DATE OF PREPARATION	28-JUL-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)	
0.8	100-41-4	Ethylbenzene		
		ACGIH TLV	100 ppm	7.1 mm
		OSHA PEL	125 ppm STEL	
5	1330-20-7	Xylene		
		ACGIH TLV	100 ppm	5.9 mm
		OSHA PEL	150 ppm STEL	
8	67-56-1	Methanol		
		ACGIH TLV	200 ppm (skin)	92 mm
		OSHA PEL	250 ppm (skin) STEL	
10	67-63-0	2-Propanol		
		ACGIH TLV	400 ppm	33 mm
		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	
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	

### 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

Irritation of eyes, skin and 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.

### Section 4 - First Aid Measures

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: Do not induce vomiting. Get medical attention immediately.

### 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

CF-46

## 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 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.

## 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.

## OTHER PRECAUTIONS

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

## Section 9 - Physical and Chemical Properties

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
	5.71 lb/gal	685 g/l
		Less Water and Federally Exempt Solvents
		Emitted VOC

## Section 10 - Stability and Reactivity

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 11 - Toxicological Information

### 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

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

## 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.

## Section 14 - Transport Information

No data available.

## Section 15 - Regulatory Information

### SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
108-88-3	Toluene	31	
100-41-4	Ethylbenzene	0.8	
1330-20-7	Xylene	5	
67-56-1	Methanol	8	
108-10-1	Methyl Isobutyl Ketone	5	
	Glycol Ethers	1	

### CALIFORNIA PROPOSITION 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. TSCA CERTIFICATION

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

## Section 16 - Other Information

This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

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.