

MATERIAL SAFETY DATA SHEET

TS-3
02 00

Section 1 -- PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER	DATE OF PREPARATION	HMIS CODES
TS-3	13-AUG-08	Health 2 Flammability 3 Reactivity 0
PRODUCT NAME Tec/Solvent, #3 Moderate		
MANUFACTURER'S NAME MARTIN SENOUR PAINTS 4440 Warrensville Center Road Warrensville Hts., OH 44128-2837		
TELEPHONE NUMBERS and WEBSITES Regulatory Information (216) 566-2902 Medical Emergency (216) 566-2917 Transportation Emergency (800) 424-9300 for Chemical Emergency ONLY (spill, leak, fire, exposure, or accident)		

Section 2 -- COMPOSITION/INFORMATION ON INGREDIENTS

% by WT	CAS No.	INGREDIENT	UNITS	VAPOR PRESSURE
20	78-93-3	Methyl Ethyl Ketone		
		ACGIH TLV	200 ppm	70 mm
		ACGIH TLV	300 ppm STEL	
		OSHA PEL	200 ppm	
		OSHA PEL	300 ppm STEL	
19	107-87-9	Methyl n-Propyl Ketone		
		ACGIH TLV	150 ppm STEL	27.8 mm
		OSHA PEL	200 ppm	
		OSHA PEL	250 ppm STEL	
1	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	
10	110-43-0	Methyl n-Amyl Ketone		
		ACGIH TLV	50 ppm	3.855 mm
		OSHA PEL	100 ppm	
15	763-69-9	Ethyl 3-Ethoxypropionate		
		ACGIH TLV	Not Available	1.11 mm
		OSHA PEL	Not Available	
35	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	

 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.

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

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

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.

 Section 5 -- FIRE FIGHTING MEASURES

FLASH POINT	LEL	UEL
49 F PMCC	1.0	10.0

FLAMMABILITY CLASSIFICATION

RED LABEL -- Flammable, Flash below 100 F (38 C)

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.

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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	7.08 lb/gal	847 g/l
SPECIFIC GRAVITY	0.85	
BOILING POINT	174 - 342 F	78 - 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 - As Packaged)		
7.07 lb/gal	847 g/l	Less Water and Federally Exempt Solvents
7.07 lb/gal	847 g/l	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

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen.

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

 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				
78-93-3	Methyl Ethyl Ketone	LC50	RAT	4HR	Not Available
		LD50	RAT		2740 mg/kg
107-87-9	Methyl n-Propyl Ketone	LC50	RAT	4HR	Not Available
		LD50	RAT		1600 mg/kg
108-10-1	Methyl Isobutyl Ketone	LC50	RAT	4HR	Not Available
		LD50	RAT		2080 mg/kg
110-43-0	Methyl n-Amyl Ketone	LC50	RAT	4HR	Not Available
		LD50	RAT		1670 mg/kg
763-69-9	Ethyl 3-Ethoxypropionate	LC50	RAT	4HR	Not Available
		LD50	RAT		5000 mg/kg
123-86-4	n-Butyl Acetate	LC50	RAT	4HR	2000 ppm
		LD50	RAT		13100 mg/kg

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

US Ground (DOT)

1 Gallon and Less may be Classed as CONSUMER COMMODITY, ORM-D
 Larger Containers are Regulated as:
 UN1263, PAINT RELATED MATERIAL, 3, PG II, (ERG#128)

DOT (Dept of Transportation) Hazardous Substances & Reportable Quantities
 n-Butyl acetate 5000 lb RQ
 Ethyl methyl ketone 5000 lb RQ

Bulk Containers may be Shipped as (check reportable quantities):
 UN1263, PAINT RELATED MATERIAL, 3, PG II, (ERG#128)

Canada (TDG)

UN1263, PAINT RELATED MATERIAL, CLASS 3, PG II, (ERG#128)

IMO

UN1263, PAINT RELATED MATERIAL, CLASS 3, PG II, (9 C c.c.), EmS F-E,
 S-E

 Section 15 -- REGULATORY INFORMATION

SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element
108-10-1	Methyl Isobutyl Ketone	1	

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 Canadian Controlled Products Regulations (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.