



Material Safety Data Sheet

The Martin Senour Co.
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Date of preparation

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Cleaners - Solvent Based

MET-S/N

— Section 2 —						6387	6383	6384	3196	CA3196	P E R C E N T B Y W E I G H T
CAS No.	Hazardous Ingredients (percent by weight)	ACGIH TLV <STEL>	OSHA PEL <STEL>	Units	Vapor Pressure (mm Hg)	FIN-L-WASH® Surface Cleaner	KLEANZ-EASY® Solvent Based Cleaner	Tec/CLEAN™ Surface Cleaner	Gun & Equipment Cleaner	Compliant Gun & Equipment Cleaner	
64742-89-8	Lt. Aliphatic HC Solvent.	100	100	PPM	53.0				23		
64742-89-8	V. M. & P. Naphtha.	300	300 <400>	PPM	12.0		32	95		5	
64742-88-7	Mineral Spirits.	100	100	PPM	2.0	100	54	5			
108-88-3 §	Toluene.	50	100 <150>	PPM (Skin)	22.0		11		31	52	
1330-20-7 §	Xylene.	100	100 <150>	PPM	5.9				5		
138-86-3	Dipentene.	Not Established			2.0		2				
67-56-1 §	Methanol	200 <250>	200 <250>	PPM (Skin)	92.0				8		
67-63-0	2-Propanol	400 <500>	400 <500>	PPM	33.0				10	16	
111-76-2 §	2-Butoxyethanol	25	25	PPM (Skin)	0.6				1		
67-64-1	Acetone.	500 <750>	1000	PPM	180.0				14		
108-10-1 §	Methyl Isobutyl Ketone.	50 <75>	50 <75>	PPM	16.0				5	27	
77-76-9	Dimethoxypropane.	Not Established			76.0				2		
Weight per Gallon (lbs.)						6.35	6.40	6.21	6.64	6.87	
VOC (Volatile Organic Compounds) Total - lbs./gal.						6.35	6.40	6.20	5.71	6.86	
VOC Less Water & Federally Exempt Solvents - lbs./gal.						6.35	6.40	6.20	6.65	6.86	
Photochemically Reactive						No	No	No	Yes	Yes	
Flash Point (°F)						100	50	44	21	39	
DOL Storage Category						2	1B	1B	1B	1B	
Flammability Classification (Flammable - Combustible)						Combustible	Flammable	Flammable	Flammable	Flammable	
HMIS (NFPA) Rating (health - flammability - reactivity)						2 - 2 - 0	2 - 3 - 0	2 - 3 - 0	3 - 3 - 0	2 - 3 - 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

PRODUCT WEIGHT	See TABLE	EVAPORATION RATE	Slower than Ether
SPECIFIC GRAVITY	0.75-1.83	VAPOR DENSITY	Heavier than Air
BOILING RANGE	132-395 °F	MELTING POINT	N.A.
VOLATILE VOLUME	100 %	SOLUBILITY IN WATER	N.A.

Section 4 — Fire And Explosion Hazard Data

FLAMMABILITY CLASSIFICATION FLASH POINT See TABLE LEL 0.7 UEL 36.5

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

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.

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.

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: 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

Prolonged overexposure to solvent ingredients in CA3196 and 6383 may cause adverse effects to the liver, urinary, cardiovascular, and reproductive systems. Prolonged overexposure to solvent ingredients in 3196 and may cause adverse effects to the liver, urinary, bloodforming, cardiovascular, and reproductive systems. Prolonged overexposure to solvent ingredients in 6387 and 6384 may cause adverse effects to the liver and urinary systems.

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 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.

Incinerate 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.

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.

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 6387, 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.