

SAFETY DATA SHEET



Date Prepared : 12/07/2012
 MSDS No : Vinyl Leather Mender
 Date-Revised : 04/06/2017
 Revision No : 5

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT DESCRIPTION: Vinyl Leather Mender

MANUFACTURER

Pacer Technology
 3281 E. Guasti Rd., Suite 260
 Ontario, CA 91761

Emergency Contact: CHEMTREC

Emergency Phone: 800-424-9300

Alternate Emergency Phone: 703-527-3887

Product Stewardship: 909-987-0550

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (800) 424-9300

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS**Health:**

Carcinogenicity, Category 1A
 Specific Target Organ Toxicity (Repeated Exposure), Category 2
 Aspiration Hazard, Category 1
 Eye Damage, Category 1
 Acute Toxicity, Category 4
 Skin Irritation, Category 2
 Skin Sensitization, Category 1
 Specific Target Organ Toxicity Single Exposure, Category 3

Physical:

Flammable Liquids, Category 2

GHS LABEL ELEMENTS

Note: If this product is a consumer product it is labeled in accordance with the Consumer Product Safety Commission regulations and not OSHA regulations. The requirements for the labeling of consumer products take precedence over OSHA labeling so the actual product label will not contain the OSHA label elements shown below on this SDS.



Flame

Health
hazard

Corrosion

Exclamation
mark

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H225: Highly flammable liquid and vapour.
 H302: Harmful if swallowed.
 H304: May be fatal if swallowed and enters airways.
 H315: Causes skin irritation.
 H317: May cause an allergic skin reaction.
 H335: May cause respiratory irritation.

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H336: May cause drowsiness or dizziness.
 H373: May cause damage to organs through prolonged or repeated exposure.
 H318: Causes serious eye damage.
 H350: May cause cancer.

PRECAUTIONARY STATEMENT(S)**Prevention:**

P201: Obtain special instructions before use.
 P202: Do not handle until all safety precautions have been read and understood.
 P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P240: Ground/bond container and receiving equipment.
 P241: Use explosion-proof electrical/ventilating/lighting equipment.
 P242: Use only non-sparking tools.
 P243: Take precautionary measures against static discharge.
 P260: Do not breathe dust/fume/gas/mist/vapours/spray.
 P264: Wash skin and hands thoroughly after handling.
 P270: Do not eat, drink or smoke when using this product.
 P271: Use only outdoors or in a well-ventilated area.
 P272: Contaminated work clothing should not be allowed out of the workplace.
 P280: Wear protective gloves/protective clothing/eye protection/face protection.
 P362: Take off contaminated clothing.

Response:

P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P308+P313: IF exposed or concerned: Get medical advice/ attention.
 P314: Get medical advice/attention if you feel unwell.
 P330: Rinse mouth.
 P331: Do NOT induce vomiting.
 P332+P313: If skin irritation occurs: Get medical advice/attention.
 P370: In case of fire: Use for extinction: CO₂, powder or water spray.

Storage:

P403+P233: Store in a well-ventilated place. Keep container tightly closed.
 P403+P235: Store in a well-ventilated place. Keep cool.
 P405: Store locked up.

Disposal:

P501: Dispose of in a manner consistent with federal, state, and local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Vinyl chloride	10 - 25	75-01-4
2-Butanone	10 - 25	78-93-3

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Xylene	10 - 25	1330-20-7
Tetrahydrofuran	< 10 - 25	109-99-9
Ethylbenzene	2.5 - 10	100-41-4
Acetone	< 2.5 - 10	67-64-1
Vinyl acetate	< 2.5 - 10	108-05-4
3,4-Epoxyhexylmethyl 3,4-epoxycyclohexanecarboxylate	≤ 1 - 2.5	2386-87-0
Cumene	≤ 0.1 - 2.5	98-82-8
Maleic acid	< 0.1 - 1	110-16-7

4. FIRST AID MEASURES

EYES: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

SKIN: Immediately wash with water and soap and rinse thoroughly.

INGESTION: Immediately call a doctor.

INHALATION: Supply fresh air and be sure to call for a doctor. In case of unconsciousness place patient stably in side position for transportation.

ADDITIONAL INFORMATION: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident is recommended.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

EXPLOSION HAZARDS: Keep away from heat, sparks and open flames. Vapors can cause a flash fire and ignite explosively.

FIRE FIGHTING PROCEDURES: Firefighters should wear self-contained breathing apparatus. Water may be unsuitable as an extinguishing medium, but is helpful in keeping adjacent containers cool.

FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Use neutralizing agent. Ensure adequate ventilation. Dispose contaminated material as waste according to section 13.

GENERAL PROCEDURES: Wear protective equipment. Keep unprotected persons away.

SPECIAL PROTECTIVE EQUIPMENT: Use plastic/rubber gloves, chemical splash goggles or safety glasses with side shields.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Keep ignition sources away - Do not smoke. Protect against electrostatic charges.

HANDLING: Ensure good ventilation/exhaustion at the workplace.

STORAGE: Keep receptacle tightly sealed. Store in cool, dry conditions in well sealed receptacles.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
EXPOSURE LIMITS				
Chemical Name	Type		ppm	mg/m ³
2-Butanone	OSHA PEL	TWA	200	590
	ACGIH TLV	TWA	200	
		STEL	300	
Xylene	OSHA PEL	TWA	100	435
	ACGIH TLV	TWA	100	434
		STEL	150	651
Tetrahydrofuran	OSHA PEL	TWA	200 ppm	590 mg/m ³
	ACGIH TLV	TWA	50 ppm	
		STEL	100 ppm	
Ethylbenzene	ACGIH TLV	STEL	125	543
	OSHA PEL	TWA	100	435
Acetone	OSHA PEL	TWA	1000	2400
		STEL	[1]	[1]
	ACGIH TLV	TWA	500	750
		STEL	[1]	[1]
Cumene	OSHA PEL	TWA	50	245
	ACGIH TLV	TWA	50	246
OSHA TABLE COMMENTS:				
1. No data available				

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Avoid contact with skin and eyes. Wash thoroughly after handling.

SKIN: Avoid contact with skin.

RESPIRATORY: In case of brief exposure or low pollution use respiratory filter device. In case of longer exposure use respiratory protective device that is independent of circulating air.

PROTECTIVE CLOTHING: Wear protective clothing. Launder contaminated clothing before reuse.

WORK HYGIENIC PRACTICES: Avoid direct contact and breathing vapor. Use with adequate ventilation. Wash hands with soap and water after use.

OTHER USE PRECAUTIONS: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Store protective clothing separately. Avoid contact with the eyes and skin.

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9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid
ODOR: Strong chemical odor.
ODOR THRESHOLD: No data available
COLOR: Clear
pH: No data available
PERCENT VOLATILE: No data available
FLASHPOINT AND METHOD: -21 °C (-6 °F)
FLAMMABLE LIMITS: 1.0 Vol % to 31.0 Vol %
AUTOIGNITION TEMPERATURE: Product is not selfigniting.
VAPOR PRESSURE: 3440 hPa at 20 °C (68 °F)
VAPOR DENSITY: Heavier than air
BOILING POINT: 55 °C (131 °F)
FREEZING POINT: No data available
MELTING POINT: No data available
POUR POINT: No data available
THERMAL DECOMPOSITION: No data available
SOLUBILITY IN WATER: Not miscible or difficult to mix.
EVAPORATION RATE: No data available
DENSITY: 0.954 g/cm³ (7.961 lbs/gal) @ 20C (68F)
SPECIFIC GRAVITY: 0.954
VISCOSITY: No data available
MOLECULAR WEIGHT: No data available
(VOC): 578.2 g/L

10. STABILITY AND REACTIVITY

REACTIVITY: No data available
HAZARDOUS POLYMERIZATION: No data available
CONDITIONS TO AVOID: No data available
POSSIBILITY OF HAZARDOUS REACTIONS: Under normal conditions of storage and use, hazardous reactions will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS: No dangerous decomposition products known.
INCOMPATIBLE MATERIALS: No data available

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

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Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Vinyl chloride	500 mg/kg (rat)		
2-Butanone	2483 mg/kg (rat)	5000 mg/kg (rabbit)	
Xylene	4300 mg/kg (rat)	2000 mg/kg (rabbit)	
Tetrahydrofuran	2500 mg/kg (rat)	> 2000 mg/kg (rat)	54 mg/L per 4 hr (rat)
Ethylbenzene	3500 mg/kg (rat)	17800 mg/kg (rabbit)	
Acetone	5800 mg/kg	7426 mg/kg (guinea pig)	50100 mg/kg
Vinyl acetate	2000 mg/kg (rat)	2335 mg/kg (rabbit)	14.1 mg/L per 4 hr (rat)
Cumene	> 2000 mg/kg (rat)	10578 mg/kg (rabbit)	8000 ppm per 4 hr (rat)
Maleic acid	2870 mg/kg (rat)	2620 mg/kg (rabbit)	

SKIN CORROSION/IRRITATION: Irritant to skin and mucous membranes.

SERIOUS EYE DAMAGE/IRRITATION: Strong irritant with the danger of severe eye injury.

RESPIRATORY OR SKIN SENSITISATION: Sensitization possible through skin contact.

CARCINOGENICITY

IARC: Vinyl chloride (75-01-4) - Group 1, Xylene (1330-20-7) - Group 3, Ethylbenzene (100-41-4) - Group 2B, Vinyl acetate (108-05-4) - Group 2B, Cumene (98-82-8) - Group 2B.

NTP: Vinyl chloride (75-01-4) - Group K, Cumene (98-82-8) - Group R

OSHA: Vinyl chloride (75-01-4)

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Water hazard class 1 (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course, or sewage system. Must not reach bodies of water or drainage ditch undiluted or unneutralized.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Dispose of in accordance with local, state, and federal regulations. Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: UN1133, ADHESIVES CONTAINING FLAMMABLE LIQUID, 3, II, (LTD QTY, IP VOL LESS THAN OR EQUAL TO 1.0 L)

AIR (ICAO/IATA)

SHIPPING NAME: ID8000, CONSUMER COMMODITY, 9 (IP VOL LESS THAN OR EQUAL TO 0.5 L); or UN1133, ADHESIVES CONTAINING FLAMMABLE LIQUID, 3, II, (LTD QTY, IP VOL LESS THAN OR EQUAL TO 0.5 L)*

VESSEL (IMO/IMDG)

SHIPPING NAME: UN1133, ADHESIVES CONTAINING FLAMMABLE LIQUID, 3, II, (LTD QTY, IP VOL LESS THAN OR

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EQUAL TO 5.0 L)*

COMMENTS: * This product may be shipped as EXCEPTED QUANTITIES OF CLASS 3, UN1 133 (IP VOL LESS THAN OR EQUAL TO 0.03 L, OP VOL LESS THAN OR EQUAL TO 0.5 L)

The transport information provided in this section only applies to the material formulation/itself, and is not specific to any package/configuration. This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. It is the responsibility of the transporting organizations to follow all applicable laws, regulations, and rules relating to the transportation of the material.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

313 REPORTABLE INGREDIENTS: Vinyl chloride (75-01-4), 2-butanone (78-93-3), Xylene (1330-20-7), Ethylbenzene (100-41-4), Vinyl acetate (108-05-4), Cumene (98-82-8).

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt.%	CAS
Vinyl chloride	10 - 25	75-01-4
2-Butanone	10 - 25	78-93-3
Xylene	10 - 25	1330-20-7
Ethylbenzene	2.5 - 10	100-41-4
Vinyl acetate	< 2.5 - 10	108-05-4
Cumene	≤ 0.1 - 2.5	98-82-8

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt.%	CERCLA RQ
Vinyl chloride	10 - 25	1
2-Butanone	10 - 25	5,000
Xylene	10 - 25	100
Tetrahydrofuran	< 10 - 25	1,000
Ethylbenzene	2.5 - 10	1,000
Acetone	< 2.5 - 10	5,000
Vinyl acetate	< 2.5 - 10	5,000
Cumene	≤ 0.1 - 2.5	5,000

TSCA (TOXIC SUBSTANCE CONTROL ACT)

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Chemical Name	CAS
Vinyl chloride	75-01-4
2-Butanone	78-93-3
Xylene	1330-20-7
Tetrahydrofuran	109-99-9
Ethylbenzene	100-41-4
Acetone	67-64-1
Vinyl acetate	108-05-4
3,4-Epoxy cyclohexylmethyl 3,4-epoxy cyclohexanecarboxylate	2386-87-0
Cumene	98-82-8
Maleic acid	110-16-7

TSCA STATUS: All components are listed on or are exempt from listing on the Toxic Substances Control Act.

CLEAN AIR ACT

Chemical Name	Wt.%	CAS
Vinyl chloride	10 - 25	75-01-4
Vinyl acetate	< 2.5 - 10	108-05-4

CALIFORNIA PROPOSITION 65: WARNING: This product can expose you to chemicals including, Vinyl chloride which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov

Chemical Name	Wt.%	Listed
Ethylbenzene	2.5 - 10	Cancer
Cumene	≤ 0.1 - 2.5	Cancer

16. OTHER INFORMATION

APPROVED BY: Pacer Technology Regulatory Department

PREPARED BY: Pacer Technology Regulatory Department **Date-Revised:** 04/06/2017

REVISION SUMMARY: This MSDS replaces the 03/19/2015 MSDS. Revised: **Section 1:** APPROVED BY, Date Issued, Date-Revised, 24 HR. EMERGENCY TELEPHONE NUMBERS, MSDS No, PREPARED BY, TITLE. **Section 2:** **Section 3:** Wt.%. **Section 4:** ACUTE TOXICITY, ADDITIONAL INFORMATION, CHRONIC EFFECTS, EYES, INGESTION, INHALATION, SIGNS AND SYMPTOMS OF OVEREXPOSURE (INGESTION, INHALATION, SKIN, SKIN ABSORPTION), SKIN. **Section 5:** EXTINGUISHING MEDIA, FIRE EXPLOSION, FLAMMABLE CLASS, HAZARDOUS COMBUSTION PRODUCTS, HAZARDOUS DECOMPOSITION PRODUCTS, SENSITIVE TO STATIC DISCHARGE, SENSITIVITY TO IMPACT. **Section 6:** AIR SPILL, GENERAL PROCEDURES, LAND SPILL, LARGE SPILL, SMALL SPILL, WATER SPILL. **Section 7:** ELECTROSTATIC ACCUMULATION HAZARD, GENERAL PROCEDURES, HANDLING, LOADING TEMPERATURE, LOADING/UNLOADING VISCOSITY, STORAGE, STORAGE PRESSURE, STORAGE TEMPERATURE. **Section 8:** ENGINEERING CONTROLS, OTHER USE PRECAUTIONS, PERSONAL PROTECTIVE EQUIPMENT (RESPIRATORY). **Section 9:** APPEARANCE, AUTOIGNITION TEMPERATURE, BOILING POINT, COEFF. OIL/WATER, COLOR, DENSITY, EVAPORATION RATE,

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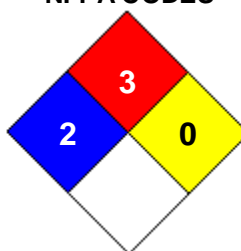
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FLAMMABLE LIMITS, FLASHPOINT AND METHOD, FREEZING POINT, MELTING POINT, MOLECULAR WEIGHT, PERCENT VOLATILE, pH, POUR POINT, SOLUBILITY IN WATER, SPECIFIC GRAVITY, VAPOR DENSITY, VAPOR PRESSURE, VISCOSITY, (VOC), THERMAL DECOMPOSITION, . **Section 10:** CONDITIONS TO AVOID, HAZARDOUS DECOMPOSITION PRODUCTS, HAZARDOUS POLYMERIZATION, INCOMPATIBLE MATERIALS, STABILITY, STABLE. **Section 11:** ACUTE, IARC, NTP, OSHA, CARCINOGENICITY, GERM CELL MUTAGENICITY, REPRODUCTIVE TOXICITY, , STOT-SINGLE EXPOSURE, , SKIN CORROSION/IRRITATION. **Section 12:** ECOTOXICOLOGICAL INFORMATION, ENVIRONMENTAL DATA, BIOACCUMULATION/ACCUMULATION. **Section 13:** DISPOSAL METHOD, EMPTY CONTAINER, PRODUCT DISPOSAL, RCRA/EPA WASTE INFORMATION. **Section 14:** AIR (ICAO/IATA) - SHIPPING NAME COMMENTS, DOT (DEPARTMENT OF TRANSPORTATION) - PROPER SHIPPING NAME VESSEL (IMO/IMDG) - SHIPPING NAME. **Section 15:** ACUTE, CHRONIC, FIRE, PRESSURE GENERATING, REACTIVITY, 313 REPORTABLE INGREDIENTS, CALIFORNIA PROPOSITION 65, WHMIS CLASS. **Section 16:** HMIS RATING (PHYSICAL HAZARD, CHRONIC), NFPA CODES (REACTIVITY).

HMIS RATING

HEALTH	*	2
FLAMMABILITY		3
PHYSICAL HAZARD		0
PERSONAL PROTECTION		

NFPA CODES



MANUFACTURER DISCLAIMER:

To the best of our knowledge, the information contained herein is accurate. However, Pacer Technology does not assume any liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards which exist.