

MATERIAL SAFETY DATA SHEET
Leather prep

Emergency Numbers: Chemtrec (800) 424-9300
MSDS or Product Information: 281 588 3000

SECTION I PRODUCT IDENTIFICATION

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Manufacturer: Leather Magic Inc
1396 Walkup Ave.
Monroe, NC 28110

Product : Special Industrial Solvent A-2
Synonyms: Leather Prep SIS A/2SIS formula A/2
Chemical Family: Alcohol
ID No.: UN1986
DOT Guide No.: 131

SECTION II HAZARDOUS INGREDIENTS

<u>Ingredients</u>	<u>CAS#</u>	<u>Weight %</u>	<u>TLV</u>	<u>NFPA</u>	<u>UN#</u>
Ethanol	64-17-5	86	1000	0-3-0	1170
Methanol	67-56-1	13	200	1-3-0	1230
MIBK	108-10-1	1	50	2-3-0	1245

SECTION III PHYSICAL DATA

Boiling Range: 74 - 80
Vapor pressure at 20C (mm Hg): ca 50
Evaporation Rate (n-Butyl Acetate=1): ca 2
Appearance: Clear liquid, Alcohol Odor
Specific Gravity @ 60/60f (air): 0.79 (200pf) - (190pf)

Solubility in Water: Complete
Volatiles by wt. %: >99
Vapor Density (Air = 1): ca 1.5

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash point: (TCC) 5C **Flammable Limits (UEL/LEL):** 20.0/4.0
Autoignition Temperature (ASTM D 2155): ca 400C
-Extinguishing Media: Fight source of fire. Water spray, dry chemicals, "alcohol" foam
-Special Firefighting Procedures: NIOSH approved self contained breathing apparatus and protective clothing should be worn to prevent contact with skin and eyes.
-Unusual Fire & Explosion Hazards: Flammable liquid, Vapors are heavier than air and may cause ignition/flashback.

SECTION V HEALTH HAZARD DATA

-Exposure Limits:

<u>Component</u>	<u>ACGIH TLV TWA</u>	<u>TLV STEL</u>	<u>SKIN</u>	<u>OSHA PEL TWA</u>
Ethanol	1000	-	NO	1000
Methanol	200	250	YES	200
MIBK	50	75	NO	100

-Effects Of Overexposure:

Primary Routes of Entry: (X) Skin Contact, (X) Eye Contact, (X) Inhalation, (X) Ingestion

Signs and Symptoms of Exposure:

Prolonged exposure to excessive concentrations of ethanol may result in irritation of mucous membranes, headache, drowsiness, fatigue and narcosis. The other components are not expected to add significantly to the toxicity of the product.

Inhalation: High vapor concentrations may cause upper respiratory tract irritation and narcosis.

Eyes: Liquid or vapor may cause irritation.

Skin: No specific hazards are known.

Ingestion: Contains methanol, may cause blindness.

Acute: not determined

-FIRST AID: Inhalation: Remove from exposure, treat symptomatically and get medical help.

Eye Contact: Flush with large amounts of water until all material is removed. If irritation persists, get medical attention immediately.

Ingestion: Do not induce vomiting unless directed by a poison control center or doctor. Seek medical attention.

Emergency Procedures: Remove contaminated clothing and wash contaminated areas with plenty of water.

Animal Toxicity:

Component	Acute Oral LD 50 on rat	Inhalation LC 50 on rat	Skin Irritation
Ethanol	6.2 to 17.8 g/kg	ca 16,000 ppm per 8 hrs.	Slight
Methanol	6200 mg/kg	>22,500 ppm per 8 hrs.	Slight
MIBK	1.6 - 5.7 ml/kg	2000 - 4000 ppm per 4 hrs.	Moderate

SECTION VI REACTIVITY DATA

STABILITY: () Unstable, (X) Stable

HAZARDOUS POLYMERIZATION: () May occur, (X) Will not occur

INCOMPATIBILITY: Oxidizing material can cause vigorous reaction.

HAZARDOUS DECOMPOSITION PRODUCTS: As with any organic material, combustion will produce Carbon Monoxide, Carbon Dioxide.

SECTION VII SPILL OR LEAK PROCEDURES

-STEPS TO BE TAKEN IN CASE MATERIAL RELEASED OR SPILLED: Confine as much as possible. Dike and absorb with inert material such as vermiculite. Transfer to containers for disposal.

-WASTE DISPOSAL METHOD: Dispose of waste in accordance with all Federal, State, and Local ordinances.

SECTION VIII SPECIAL PROTECTION INFORMATION

.RESPIRATORY PROTECTION: An appropriate NIOSH approved respirator for organic vapors should be worn.

-VENTILATION: At least ten air changes per hour are recommended for good room ventilation. Local exhaust if needed to control vapors.

-PROTECTIVE GLOVES: Impervious rubber gloves

-EYE PROTECTION: Chemical splash goggles (ANSI Z 87.1 or approved equivalent.)

-OTHER PROTECTIVE EQUIPMENT: wear protective clothing to prevent contact with product. Eye bath and washing facilities should be available. Wash thoroughly after handling.

SECTION IX SPECIAL PRECAUTIONS

-PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Wear gloves and protective clothing to prevent contact with product. Store product at temperatures between 49 C/120- F and 2 C/36-F. Do not store container in direct sunlight.

-SHIPPING INFORMATION:

DOT SHIPPING NAME: Flammable, Toxic, N.O.S. (ethyl alcohol, methanol)

DOT HAZARD CLASS: Class 3 Flammable Poison Liquid

ID Number: UN1986

Emergency Response: 131

SECTION X OTHER REGULATORY REQUIREMENTS

Toxic Substance Control Act: This product is a mixture and each component is listed in the TSCA Inventory of Chemical Substances.

SARA TITLE III - Extremely Hazardous Substances

Component	CAS #	TPQ	RQ
NONE			

SARA TITLE III - Toxic Chemical Section 372 (SARA 313)

Component	CAS #	WT %
Methanol	67-56-1	13
MIBK	108-10-1	1

CERCLA- Comprehensive Environmental Response Compensation and Liability

Component	CAS #	WT %	RQ(LBS)
Methanol	67-56-1	13	5000
MIBK	108-10-1	1	5000

This material is listed in all states under the Right to Know Act.

Empty containers should be reconditioned by certified firms(drums, pails). Sale of empty containers should be in accordance with all applicable laws and regulations.

-OTHER PRECAUTIONS: Neither this data sheet or any statement contained hereon grants or extends any license, expressly implied in connection with patents issued or pending which may be the property of the manufacturer or others. The information in this data sheet has been assembled by the manufacturer based on its own studies and the work of others. The manufacturer makes no warranties, express or implied, as to the accuracy, completeness, or adequacy of the information contained herein. The manufacturer shall not be liable (regardless of fault) to the vendee, the vendee's employees, or anyone for any direct special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy, or furnishing of such information

EFFECTIVE JANUARY 1,1989: Anyone selling or distributing a mixture or trade name product containing a toxic chemical (ie., a chemical or member of chemical category in 40 CFR Part 372) must provide written notice to the recipient with the first shipment in each calendar year. This is pursuant to these legal requirements. Please note that if you are repackage or otherwise redistribute this product, a notice including the SARA 310 information should be sent to the recipients. If you are unsure of what you must report or require more information, call the EPA Emergency Planning and Community Right To Know Hotline: (800) 535-0202 or (202) 479-2449.

MSDS's are an important part of employee hazard communication information and training programs required of employers under the OSHA hazard communication Standard (29 CFR 1910.1200).