



MATERIAL SAFETY DATA SHEET

Soprema LA432 Low VOC Bonding Adhesive

HMIS	PROTECTIVE CLOTHING	TRANSPORT OF DANGEROUS GOODS
<div style="border: 1px solid black; padding: 5px;"> <div style="background-color: #0056b3; color: white; padding: 2px; margin-bottom: 2px;">2 HEALTH</div> <div style="background-color: #ff0000; color: white; padding: 2px; margin-bottom: 2px;">3 FLAMMABILITY</div> <div style="background-color: #ff8c00; color: white; padding: 2px; margin-bottom: 2px;">1 REACTIVITY</div> <div style="background-color: #ffffff; color: black; padding: 2px; margin-bottom: 2px;">B PROTECTIVE EQUIPMENT</div> </div>		<div style="text-align: center;"> </div> <p style="text-align: right; margin-top: 10px;"> Combustible Liquid, NOS DOT Cl.: Combustible UN#: 1133 Package Group: II </p>

SECTION II. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product name:	Soprema LA432 Low VOC Bonding Adhesive		
Product number:	A-101		
Use:	Bonding PVC membrane to substrates		
Manufacturer:	Soprema, Inc.		
Distributor:	Soprema, Inc. 310 Quadral Drive Wadsworth, Ohio 44281 UNITED STATES		
In case of emergency:	SOPREMA (8:00am to 5:00pm - Eastern time):	(800) 356-3521	
	CHEMTREC (USA) (24h.):	(800) 424-9300	
	CANUTEC (Canada):	(613) 996-6666	
	International:	(703) 527-3887	

EMERGENCY OVERVIEW!!!

FLAMMABLE - HARMFUL IF INHALED OR SWALLOWED - CAUSES SKIN, EYE AND RESPIRATORY IRRITATION - MAY CAUSE SKIN AND RESPIRATORY SENSITIZATION

SECTION II. COMPOSITION AND INFORMATION ON DANGEROUS INGREDIENTS

Component	CAS#	% by weight	ACGIH TLV	OSHA PEL
Acetone	67-64-1	55 to 75%	500 ppm	1000 ppm
Methyl Ethyl Ketone	78-93-3	1 to 5%	200 ppm	200 ppm
Toluene	108-88-3	1 to 5%	50 ppm	200 ppm
Parachlorobenzotiflouride (PCBTF)	98-56-6	0.1 to 1.0%	50 ppm	N/A
TSCA: all ingredients are listed				

SECTION III. POTENTIAL HEALTH EFFECTS**HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE:**

SKIN	May cause dermatitis. May cause defatting and irritation of the skin.
EYES	May cause severe eye irritation and corneal damage.
INHALATION	May cause nose or throat irritation. High concentrations may cause acute nervous system depression characterized by headaches, dizziness, nausea and confusion.
INGESTION	Can cause gastrointestinal irritation, nausea and vomiting. Aspiration of material into the lungs may cause chemical pneumonitis which can be fatal.

SECTION IV. FIRST AID MEASURES

SKIN	Wash with soap and water 15 minutes. If irritation persists, contact a physician.
EYES	Hold eyes open and flush for at least 15 minutes with large amounts of water. Seek medical attention.
INHALATION	Remove to fresh air immediately. If breathing has stopped, give artificial respiration. Seek immediate medical attention.
INGESTION	Do not induce vomiting. Seek immediate medical attention.

SECTION V. FIRE-FIGHTING MEASURES

Flash point	< 0
Explosive Range	1.1% - 12.8%
Flammability Class	IB
Extinguishing media	Foam, carbon dioxide, dry chemical, water spray or fog. Use water spray only to cool containers in fire area.
Special fire fighting procedures	Avoid breathing smoke. Use Air supplied rescue equipment for enclosed area. Water tends to spread burning liquid if large amounts are used.
Unusual hazards	Extremely Flammable. Vapors may ignite explosively and/or cause flash fires. Eliminate sources of ignition. No Smoking. Use adequate cross ventilation sufficient to remove odor of solvent and vapors. Electronically ground all containers during transfer.

SECTION VI. ACCIDENTAL RELEASE MEASURES**RELEASE OR SPILL:**

Keep spectators away. Eliminate all ignition sources (flames, hot surfaces and sources of electrical, static or frictional sparks). Dike and contain spill with inert material such as sand, or earth. Transfer liquids to covered metal containers for recovery or disposal, or remove with inert absorbent. Use only non-sparking tools. Place absorbent diking materials in covered metal containers for disposal. Prevent contamination of sewers, streams and groundwater with spilled material or used absorbent.

SECTION VII. HANDLING AND STORAGE**HANDLING:**

Do not smoke. Keep away from open fire, flame or any ignition source. Vapors may form explosive mixtures with air. Avoid skin and eye contact. Avoid breathing fumes. Do not eat, drink or smoke in application area. Ground all handling equipment.

STORAGE:

Store closed containers in cool (60-95° F) , dry area away from heat, direct sunlight, oxidizing agents, and strong acids and alkalis. Keep away from open fire, flame or any ignition source. Keep in well ventilated areas.

SECTION VIII. EXPOSURE CONTROLS / PERSONAL PROTECTION

SKIN	Clothing suitable to prevent skin contact. Use chemical resistant gloves and apply barrier creams. Check suitability recommendations by protective equipment manufacturers, especially towards chemical breakthrough resistance. Barrier cream may be needed for sensitive skin.
RESPIRATORY	If airborne concentration poses a health hazard, becomes irritating or exceeds recommended limits, use a NIOSH approved respirator in accordance with OSHA Respirator Protection requirements under 29 CFR 1910.134.
EYES	Safety goggles with side shields. If spraying a face shield may be necessary
ENGINEERING CONTROLS	Use local exhaust ventilation or respiratory protection to maintain employee exposure below TLV.

SECTION IX. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL FORM	Liquid
COLOR	Amber
BOILING RANGE	133° F
EVAPORATION RATE	Faster than n-Butyl Acetate
% VOLATILE WEIGHT	74.8%
% VOLATILE VOLUME	N/A
FLASH POINT	< 0
SPECIFIC GRAVITY	0.85031
WEIGHT/VOLUME MEASURE	7.08
EPA METHOD 24 VOC	199.4 g/L
PHOTO CHEM REACTIVE ONLY VOC	53

SECTION X. STABILITY AND REACTIVITY**STABILITY:**

Product is stable

CONDITIONS TO AVOID:

Fire, sparks, static electricity

INCOMPATIBILITY:

Strong oxidizing agents, strong acids and bases.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide, carbon dioxide

HAZARDOUS POLYMERIZATION:

Hazardous polymerization will not occur.

SECTION XI. ECOLOGICAL INFORMATION**Environmental effects:**

Avoid contamination of ground water or waterways.

SECTION XII. DISPOSAL CONSIDERATIONS**Waste disposal:**

Incinerate or dispose of in accordance with Federal, State or Local regulations.

SECTION XIII. TRANSPORTATION INFORMATION

DOT SHIPPING NAME: LA432 Low VOC Bonding adhesive

HAZARD CLASS: Combustible

PACKAGING GROUP: III

NA/UN#: NA1993

LABEL: Flammable Liquid

SECTION XV. REGULATORY INFORMATION

SARA TITLE III, SECTION 313:

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372:

Product	CAS #	Maximum %
Methyl Ethyl Ketone	78-93-3	1 to 5%
Acetone	67-64-7	55 to 75%
Toluene**	108-88-3	1 to 5%

**Prop 65 (Teretogen): Warning - This product contains a chemical known to the state of California to cause birth defect or other reproductive harm.

SECTION XVI. OTHER INFORMATION**Glossary:**

ACGIH: American Conference of Governmental Industrial Hygienists

ANSI: American National Standards Institute

ASTM: American Society for Testing and Materials

CAS: Chemical Abstract Services

CFR: Code of Federal Regulations (United States)

CSA: Canadian Standardization Association

DOT: Department of Transportation (United States)

DSL: Domestic Substances List (Canada)

EPA: Environmental Protection Agency (United States)

HMIS: Hazardous Material Information System

IARC: International Agency for Research on Cancer

LC50: (Lethal concentration 50) Concentration of a substance in air that causes death of 50% mortality of a defined animal population

LD50: (Lethal dose 50) Single dose of a substance that, when administered by a defined route in an animal assay, is expected to cause the death of 50% of a defined animal population.

NFPA: National Fire Protection Association (United States)

NIOSH: National Institute for Occupational Safety and Health

NTP: National Toxicology Program

OSHA: Occupational Safety & Health Administration (United States)

PEL: Permissible Exposure Limit

RCRA: Resource Conservation and Recovery Act (United States)

RTECS: Registry of Toxic Effects of Chemical Substances

TDG: Transportation of Dangerous Goods

TLV: Threshold Limit Value

TWA: Time-weighted average

TSCA: Toxic Substances Control Act (United States)

WHMIS: Workplace Hazardous Materials Information System (Canada)

SECTION XVI. OTHER INFORMATION (cont'd)

Reference:

Supplier MSDS

This MSDS has been prepared by: SOPREMA, INC.

For information: 800-543-3085

The Material Safety Data Sheets of SOPREMA are available on Internet at the following site: [HTTP://WWW.SOPREMA.US](http://www.soprema.us)

Justification of the update:

New MSDS.

This MSDS contains all the information required by ANSI Z-400.1-1998 standard (United States), by regulation 29 CFR Part 1910.1200 of the Hazard Communication Standard of OSHA, and is in accordance with standard DORS/88-66 OF WHMIS Canada.

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