



MATERIAL SAFETY DATA SHEET
**Soprema FA636 WB
 Bonding Adhesive**

HMIS	PROTECTIVE CLOTHING	TRANSPORT OF DANGEROUS GOODS
		<p>Combustible Liquid, NOS DOT Cl.: Combustible UN#: NA1993 Package Group: III</p>

SECTION II. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product name:	Soprema FA636 WB Bonding Adhesive
Product number:	A-102
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
Toluene	108-88-3	3 to 7%	50 ppm	200 ppm
Titanium Dioxide	13463-67-7	1 to 5%	n/a	n/a
Methanol	67-56-1	1 to 5%	200 ppm	200 ppm
TSCA: all ingredients are listed				

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

SKIN	Removal of skin oils, irritation, dermatitis, sensitization
EYES	Irritation
INHALATION	May cause dizziness, nausea, upper respiratory irritation, drowsiness, mental depression or narcosis, difficulty in breathing, irregular heartbeats. Chronic effects of overexposure to solvent vapors could lead to permanent effects to the nervous system, body organs and slight liver damage on excessive exposure. Use with adequate ventilation. Can cause cardiac arrest and irregular heartbeats when inhaled in massive amounts as for euphoria.
INGESTION	May be harmful if swallowed; can cause gastrointestinal tract effects.

SECTION IV. FIRST AID MEASURES

SKIN	Wash with mild soap and water. Apply a mild cream.
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 is difficult administer oxygen. Consult physician if irritation of respiratory passage occurs.
INGESTION	Call Poison Center immediately.

SECTION V. FIRE-FIGHTING MEASURES

Flash point	140 °F (60 °C)
Explosive Range	1.1% - 12.8%
Flammability Class	II
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	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.

STORAGE:

Store closed containers in cool, 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.
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.
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	White
% VOLATILE WEIGHT	45.11%
% VOLATILE VOLUME	N/A
FLASH POINT	140°F (60 °C)
SPECIFIC GRAVITY	1.078
WEIGHT/VOLUME MEASURE	8.97653
EPA METHOD 24 VOC	152.9 g/L
PHOTO CHEM REACTIVE ONLY VOC	99.1

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: FA636 Waterbased 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 %
Toluene**	108-88-3	3-7
Methanol	67-65-1	1-5

**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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