

# MSDS **Material Safety Data Sheet**

Wilsonart International



MSDS Number: 19831  
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Wilsonart® M - Melamine Adhesive

Revision Date: 09/07/10  
Revision No.: 2

## 1 PRODUCT AND COMPANY IDENTIFICATION

**Common Name:** Wilsonart® M – Melamine Adhesive

**Manufacturer:** WILSONART INTERNATIONAL, INC.  
P. O. BOX 6110 – 2400 WILSON PLACE  
TEMPLE, TX 76503  
**INFORMATION PHONE:** 800-433-3222 (USA)

**Trade Name:** Wilsonart® M – Melamine Adhesive  
Lokweld® Melamine Glue (M)

**Material Uses:** Adhesive for bonding porous to non-porous surfaces

**In Case of Emergency Contact CHEMTREC:** 800-424-9300 (USA)  
703-527-3887 (INTERNATIONAL)

## 2 HAZARDS IDENTIFICATION

**Route of Entry:** Skin, eyes, inhalation, ingestion.

**Target Organs:** None.

**Skin Contact:** May cause skin irritation. Preexisting skin conditions may be aggravated by exposure to this material

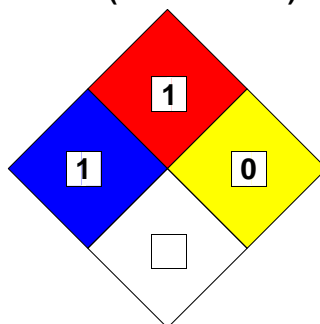
**Eye Contact:** May cause eye irritation.

**Inhalation:** Breathing vapors may cause irritation to the respiratory tract. Preexisting respiratory conditions may be aggravated by exposure to this material.

**Ingestion:** Not an expected route of entry. If ingested it may cause irritation to the gastro-intestinal tract.

HMIS (United States):	
HEALTH	1
FLAMMABILITY	1
REACTIVITY	0
PPE	B

NFPA (United States):



WHMIS (Canada): D2B



## 3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS#	% by Weight
Water	7732-18-5	40 – 50
Vinyl Acetate Polymers	Not Applicable	10 – 40
Styrene Acrylic Polymers	Not Applicable	10 – 40
Starch	9005-25-8	5 – 25
Aromatic Diester	NJTSRN 950001	1 – 10
Styrene	100-42-5	< 0.4

## 4 FIRST AID MEASURES

**Skin Contact:** Remove contaminated clothing and wash affected areas with soap and water. If irritation develops, seek medical attention.

**Eye Contact:** Flush eyes with water for 15 minutes. Remove contact lenses prior to water flush. Seek medical attention.

**Inhalation:** Remove patient to fresh air. If patient is having difficulty breathing, seek immediate medical attention. If not breathing, clear airway and start mouth-to-mouth artificial respiration (or use bag-mask respirator). Seek immediate medical attention.

**Ingestion:** DO NOT induce vomiting. Seek immediate medical attention. DO NOT give anything by mouth to an unconscious person.

## 5 FIRE FIGHTING MEASURES

**Flash Point:** Not Applicable.

**Flash Point Method:** Not Applicable.

**Autoignition Temp.:** Not Applicable.

**Burning Rate:** Material is not flammable.

**Flammability Classification:** Combustible Liquid Class IIIB. Dry adhesive will burn.

**Firefighting Equipment:** Use self-contained breathing apparatus (SCBA) with a full-face piece and pressure demand or other positive-pressure mode and protective gear appropriate for surrounding materials. In case of fire, use water, dry chemical, CO<sub>2</sub>, or alcohol foam extinguishing media.

**Hazardous Products of Combustion:** Carbon Oxides (CO and CO<sub>2</sub>), Acetic Acid, Sulfur Oxides, Chlorine, Hydrogen Chloride, and various Hydrocarbons.

## 6 ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear appropriate PPE. Make sure area is well ventilated. Spilled adhesive may be slippery.

**Environmental Precautions:** Keep out of sewers and drains.

**Clean-up Methods:** Dike and contain spill. Absorb spilled product with vermiculite, dry sand, or earth. Place in a suitable non-leaking container and tightly seal for disposal.

## 7 HANDLING AND STORAGE

**Handling Precautions:** Wear appropriate PPE. If used indoors, make sure to provide adequate ventilation to prevent vapor build-up. Avoid breathing of vapors.

**Storage Requirements:** Store in a cool, dry, well-ventilated area. Avoid freezing temperatures. Minimize contact with atmospheric air to prevent inoculation with microorganisms.

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:** Use in a well ventilated area. Ensure that a working eyewash and safety shower are in the work area.

**Protective Equipment:** Wear safety glasses with side shields, and neoprene or rubber gloves.

**Exposure Guidelines / Other:**

Product Name	Exposure Limits
Starch (9005-25-8)	OSHA PEL: TWA 15 mg/m <sup>3</sup> (total) TWA 5 mg/m <sup>3</sup> (respirable) ACGIH TLV: TWA 10 mg/m <sup>3</sup>
Styrene (100-42-5)	OSHA PEL: TWA 100 ppm Ceiling 200 ppm ACGIH TLV: TWA 20 ppm STEL 40 ppm

Consult local authorities and local regulations for exposure limits.

## 9 **PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** White liquid.

**Physical State:** Liquid

**Autoignition Temp.:** Not Applicable

**Composite Partial Pressure:** Not Applicable

**Freezing / Melting Point:** Similar to water

**Percent Volatile:** Not Available

**Solubility:** Soluble in Water

**Vapor Density:** Equivalent to water

**Viscosity:** ~ 3900 cP

**Odor:** Mild sweet

**Boiling Point:** Similar to water

**Flash Point:** Not Applicable

**Molecular Weight:** Not Applicable

**pH:** 7 – 8

**Specific Gravity / Density:** 1.07 – 1.10

**Vapor Pressure:** Equivalent to water

**VOC:** < 20 g/L

## 10 **STABILITY AND REACTIVITY**

**Stability:** Product is stable as supplied.

**Conditions to Avoid:** Freezing and boiling temperatures.

**Materials to Avoid (Incompatibility):** Strong acids, bases, oxidizers, and reducing agents. Copper and copper alloys.

**Hazardous Decomposition Products:** Carbon Oxides (CO and CO<sub>2</sub>), Acetic Acid, Sulfur Oxides, Chlorine, Hydrogen Chloride, and various Hydrocarbons.

**Hazardous Polymerization:** Will not polymerize.

## 11 **TOXICOLOGICAL INFORMATION**

### **Acute Toxicity to Animals:**

Aromatic Diester (NJTSRN 950001):

Inhalation 4 hour LC50 > 6.7 mg/L (rat).

Oral LD50 = 20400 mg/kg (rat).

Dermal LD50 > 10000 mg/kg (rabbit).

Styrene (100-42-5)

Inhalation 4 hour LC50 = 2800 ppm (rat).

Oral LD50 = 2650 mg/kg (rat).

Vinyl Acetate Polymers (CAS Not Applicable):

Oral toxicity LD50 > 2000 mg/kg (rat).

**Chronic Toxicity to Animals:** No additional information.

**Acute Toxicity to Humans:** No additional information.

**Chronic Toxicity on Humans:** No additional information.

**Carcinogenic Effects:** No additional information.

**Mutagenic Effects:** No additional information.

**Teratogenic Effects:** No additional information.

**Developmental Toxicity:** A component of this product has been shown to cause birth defects in laboratory animal studies. Relevance to humans is uncertain.

## 12 **ECOLOGICAL INFORMATION**

**Ecotoxicity:** Not Available. Not expected to be ecotoxic.

**BOD5 and COD:** Not Available.

**Biodegradable / OECD:** Not Available.

**Mobility:** Not Available.

**Toxicity of the Products of Biodegradation:** Not Available.

**Special Remarks on the Products of Biodegradation:** Not Available.

## 13 **DISPOSAL CONSIDERATIONS**

Absorb spilled product with vermiculite, dry sand, or earth and allow to solidify. Dispose of solid material in a suitable container.

Dispose of in accordance with Federal, State, and local regulations.

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## 14 TRANSPORT INFORMATION

**Restrictions:** None known.  
**DOT Requirements:** Not a DOT controlled material (United States).  
**DOT Classification:** Adhesive Resin Compound.  
**Markings:** None.  
**Packaging Requirements:** Keep from freezing.  
**ADR Requirements:** Not an ADR controlled material (Europe).  
**IMDG Requirements:** Not an IMDG controlled material.  
**IATA Requirements:** Not an IATA controlled material.  
**Marine Pollutant:** Not expected to be a marine pollutant.

## 15 REGULATORY INFORMATION

### U.S. Federal Regulations

Chemical (& CAS Number)	SARA 302 (EHS)TPQ	SARA 304 (EHS)Rq	SARA 313 <i>de minimis</i>	CERCLA Rq	CAA 112(r) TQ	RCRA Code
Aromatic Diester (NJTSRN 950001)				100		
Styrene (100-42-5)			1	1000		

All quantities in pounds

### State Regulations

Chemical (& CAS Number)	CA Prop 65	MA RTK	MN RTK	NJ RTK	PA RTK	RI RTK
Aromatic Diester (NJTSRN 950001)	X	X		X	X	
Starch (9005-25-8)(as dust)		X	X		X	X
Styrene (100-42-5)		X	X	X	X	X

This product contains substances known to the State of California to cause cancer or reproductive harm.

### International Regulations

**DSL (Canada):** The chemicals in this product are listed.  
**EINECS:** The chemicals in this product are listed.  
**WHMIS:** D2B.

## 16 OTHER INFORMATION

### References

Lewis, R. J., *Rapid Guide to Hazardous Chemicals in the Workplace*, 4<sup>th</sup> ed., Wiley-Interscience, New York, 2000.  
NIOSH Pocket Guide to Chemical Hazards, Department of Health and Human Services, National Institute for Occupational Safety and Health, 2004.  
Patty's Toxicology, 5<sup>th</sup> ed. John Wiley & Sons, Inc. 2001.  
TLVs and BEIs, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Agents, ACGIH Worldwide, Cincinnati, 2007.

### Glossary

ACGIH – American Conference of Governmental Industrial Hygienists  
ASTM – American Society for Testing and Materials  
ADR – Agreement on Dangerous Goods by Road (Europe)  
BOD5 – Biological Oxygen Demand in 5 days  
CAA – Clean Air Act

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CAS – Chemical Abstracts Services  
CEPA – Canadian Environmental Protection Act  
CERCLA – Comprehensive Environmental Response, Compensations, and Liability Act  
CFR – Code of Federal Regulations  
CL – Ceiling Exposure Limit  
CWA – Clean Water Act  
DOT – Department of Transportation  
DSCL – Dangerous Substances Classification and Labeling (Europe)  
DSL – Domestic Substance List (Canada)  
EEC/EU – European Economic Community/European Union  
EINECS – European Inventory of Existing Commercial Chemical Substances  
HCS – Hazard Communication System  
HMIS – Hazardous Material Information System  
IARC – International Agency for Research on Cancer  
LD50/LC50 – Lethal Dose/Concentration kill 50%  
LDLo/LCLo – Lowest Published Lethal Dose/Concentration  
NFPA – National Fire Prevention Association  
NIOSH – National Institute for Occupational Safety & Health  
NTP – National Toxicology Program  
OSHA – Occupational Safety & Health Administration  
PEL – Permissible Exposure Limit  
RCRA – Resource Conservation and Recovery Act  
SARA – Superfund Amendments and Reorganization Act  
STEL – Short Term Exposure Limit (15 minutes)  
TDG – Transportation of Dangerous Goods (Canada)  
TLV-TWA – Threshold Limit Value-Time Weighted Average  
TSCA – Toxic Substances Control Act  
WHMIS – Workplace Hazardous Material Information System

## Notice to Reader

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named manufacturer nor any of its subsidiaries assumes any liability whatsoever for 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 that exist.*

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END OF MSDS DOCUMENT