

MSDS *Material Safety Data Sheet*

Wilsonart International



MSDS Number: 16392
Page 1 of 5

Wilsonart® 3301 Adhesive

Revision Date: 09/15/09
Revision No: 20

1 PRODUCT AND COMPANY IDENTIFICATION

Common Name: Wilsonart® 3301 Adhesive

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

Trade Name: WA 3301 Adhesive

Material Uses: Adhesive for laminate

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

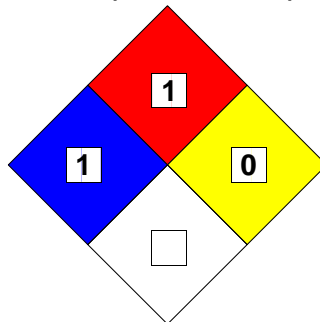
Eye Contact: May cause eye irritation.

Inhalation: Breathing vapors may cause irritation to the respiratory tract. Preexisting respiratory conditions may be aggravated by exposure to this material. Inhalation of large amounts of vapor may cause dizziness, irregular heartbeat, narcosis, nausea, or asphyxiation due to toluene component

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): D2A, D2B



3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS#	% by Weight
Vinyl Acetate Polymer	Not Applicable	40 – 70
Water	7732-18-5	40 – 50
Aromatic Diester	NJTSRN 950001	5 – 10
Ethylene Glycol	107-21-1	1 – 5
Toluene	108-88-3	0.1 – 1.0

4 FIRST AID MEASURES

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

MSDS **Material Safety Data Sheet**

Wilsonart International



MSDS Number: 16392
Page 2 of 5

Wilsonart® 3301 Adhesive

Revision Date: 09/15/09
Revision No: 20

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, CO₂, or alcohol foam extinguishing media.

Hazardous Products of Combustion: Carbon Oxides (CO and CO₂), 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
Ethylene Glycol (107-21-1)	ACGIH TLV: Ceiling 100 mg/m ³
Toluene (108-88-3)	OSHA PEL: TWA 200 ppm Ceiling 300 ppm 10 minute 500 ppm ACGIH TLV: TWA 20 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

Odor: Mild sweet

Boiling Point: Similar to water

Flash Point: Not Applicable

MSDS **Material Safety Data Sheet**

Wilsonart International



MSDS Number: 16392
Page 3 of 5

Wilsonart® 3301 Adhesive

Revision Date: 09/15/09
Revision No: 20

Freezing / Melting Point: 8°F (-13°C)
Percent Volatile: Not Available
Solubility: Soluble in Water
Vapor Density: Equivalent to water
Viscosity: Not Available

Molecular Weight: Not Applicable
pH: 4 – 5
Specific Gravity / Density: 1.06 (8.85 lb/gal)
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 CO₂), 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).

Ethylene Glycol (107-21-1):

Oral LD50 = 4000 mg/kg (female rat).

Toluene (108-88-3):

Inhalation 4 hour LC50 = 8000 ppm (rat).

Inhalation 4 hour LC50 = 7100 ppm (mouse).

Oral LD50 = 5580 mg/kg (male rat).

Oral LD50 = 6400 mg/kg (young adult rat).

Dermal LD50 = 12125 mg/kg (rabbit).

Vinyl Acetate Polymer (CAS Not Applicable):

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

Chronic Toxicity to Animals: Components of this product (Ethylene Glycol & Toluene) have been shown to be toxic in laboratory animal studies causing kidney, liver, and Central Nervous System (CNS) damage.

Relevance to humans is uncertain.

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: Components of this product (Ethylene Glycol & Toluene) have been shown to cause developmental defects in laboratory animal studies. Relevance to humans is uncertain.

Developmental Toxicity: Components of this product (Ethylene Glycol & Toluene) have 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.

MSDS Material Safety Data Sheet

Wilsonart International



MSDS Number: 16392
Page 4 of 5

Wilsonart® 3301 Adhesive

Revision Date: 09/15/09
Revision No: 20

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

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		
Ethylene Glycol (107-21-1)			1	5000		
Toluene (108-88-3)			1	1000		U220

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	
Ethylene Glycol (107-21-1)		X	X	X	X	X
Toluene (108-88-3)	X	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: D2A, D2B.

16 OTHER INFORMATION

References

Lewis, R. J., *Rapid Guide to Hazardous Chemicals in the Workplace*, 4th 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, 5th 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

MSDS **Material Safety Data Sheet**

Wilsonart International



MSDS Number: 16392
Page 5 of 5

Wilsonart® 3301 Adhesive

Revision Date: 09/15/09
Revision No: 20

ADR – Agreement on Dangerous Goods by Road (Europe)
BOD5 – Biological Oxygen Demand in 5 days
CAA – Clean Air Act
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.

END OF MSDS DOCUMENT