

Section 1. Chemical Product and Company Identification

Common Name	Wilsonart^(R) 20 PVA Adhesive	Code	16378
Supplier	WILSONART INTERNATIONAL INC. P.O. BOX 6110 - 2400 Wilson Place, Temple, TX 76503 Information Phone: 800-433-3222 (U.S.A.) or	MSDS#	16378
Synonym	Also known as: Lokweld ^(R) 20 PVA Adhesive	Validation Date	05/04/2000
Trade name	Wilsonart ^(R) 20 PVA Adhesive	Print Date	05/30/2000
Material Uses	Adhesive for laminate.	Responsible Name	Wilsonart International Inc.
Manufacturer	WILSONART INTERNATIONAL, INC. P.O. BOX 6110, Temple, TX 76503-6110 Information Phone: 254-207-7000 or 800-433-3222	In Case of Emergency	CHEMTREC: 800-424-9300 (USA) 703-527-3887 (International)

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits
Residual vinyl acetate	108-05-4	0-1	TWA: 10 STEL: 15 from ACGIH (TLV) [United States] TWA: 35 STEL: 53 from ACGIH [United States]
Plasticizer	NJTSRN 950001	1-5	Not available.
Polyvinyl acetate	9003-20-7	15 - 50	Not available.
Polyvinyl alcohol	9002-89-5	5 - 15	Not available.

Section 3. Hazards Identification

Physical State and Appearance	Yellow liquid.
Emergency Overview	INHALATION MAY IRRITATE RESPIRATORY TRACT. EYE CONTACT MAY PRODUCE MILD IRRITATION.
Routes of Entry	Skin contact. Eye contact. Inhalation. Ingestion.
Potential Acute Health Effects	
<i>Eyes</i>	May cause mild eye irritation.
<i>Skin</i>	Non-irritating to the skin.
<i>Inhalation</i>	May cause irritation of upper respiratory tract.
<i>Ingestion</i>	Not an expected route of entry. May cause mild gastric irritation.
Potential Chronic Health Effects	No additional information.
Medical Conditions Aggravated by Overexposure:	Repeated or prolonged exposure is not known to aggravate any medical condition.
Overexposure /Signs/Symptoms	Inflammation of the eye is characterized by redness, watering, and itching.
See Toxicological Information (section 11)	

Section 4. First Aid Measures

Eye Contact	In case of contact with eyes, rinse immediately with plenty of water. If irritation occurs, seek medical attention.
Skin Contact	Wash contaminated skin with soap and water. Wash contaminated clothing before reusing.
Inhalation	Allow the victim to rest in a well ventilated area. Oxygen may be administered if breathing is difficult. If irritation persists, seek medical attention.
Ingestion	Have conscious person drink several glasses of water or milk. NEVER give an unconscious person anything to ingest. Induce vomiting by giving syrup of ipecac. Lower the head so that the vomit will not reenter the mouth and throat. Call local Poison Control Center for assistance.
Notes to Physician	No additional information.

Section 5. Fire Fighting Measures

Flammability of the Product	Non-flammable.
Auto-ignition Temperature	Not applicable.
Flash Points	Not applicable.
Flammable Limits	Not applicable.
Products of Combustion	carbon oxides (CO, CO ₂)
Fire Hazards in Presence of Various Substances	Not applicable.
Explosion Hazards in Presence of Various Substances	Not considered as a product presenting risks of explosion.
Fire Fighting Media and Instructions	Non-flammable substance. Use extinguishing media suitable for surrounding materials.
Protective Clothing (Fire)	Fire fighting requires the use of a self contained breathing apparatus with a full face piece and pressure-demand or other positive-pressure mode.
Special Remarks on Fire Hazards	No additional remark.
Special Remarks on Explosion Hazards	No additional remark.

Section 6. Accidental Release Measures

Small Spill and Leak	Absorb with an inert material and place in an appropriate waste disposal container.
Large Spill and Leak	Prevent entry into sewers, basements or confined areas; dike if needed. Absorb with an inert material and put the spilled material in an appropriate waste disposal container.

Section 7. Handling and Storage

Handling	Avoid breathing vapors or spray mists. After handling, always wash hands thoroughly with soap and water. Do not ingest.
Storage	Keep container tightly closed and in a well-ventilated place. Do not freeze. Keep out of the reach of children.

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Section 8. Exposure Controls/Personal Protection

Engineering Controls Provide good general ventilation or other engineering controls as required to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection

Eyes Splash goggles.

Body No special precautions are necessary if used as intended.

Respiratory A respirator is not needed under normal and intended conditions of product use. In case of insufficient ventilation, wear an approved (NIOSH) respirator with organic vapor cartridges with dust/mist pre-filter.

Hands No special precautions are necessary if used as intended.

Feet No special precautions are necessary if used as intended.

Protective Clothing (Pictograms)

Personal Protection in Case of a Large Spill In case of insufficient ventilation, wear an approved (NIOSH) respirator with organic vapor cartridges. Splash goggles. Gloves (neoprene or latex). Safety glasses. Boots. Full suit.

Product Name**Exposure Limits**

Acetic acid ethenyl ether

TWA: 10 STEL: 15 from ACGIH (TLV) [United States]

Plasticizer

TWA: 35 STEL: 53 from ACGIH [United States]

Polyvinyl acetate

Not available.

Polyvinyl alcohol

Not available.

Not available.

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Yellow liquid.	Odor	Mild, polyvinyl acetate odor. (Slight.)
Molecular Weight	Not applicable.	Taste	not available
Molecular Formula	Not applicable.	Color	Yellow.
pH (1% Soln/Water)	4 - 5		
Boiling/Condensation Point	100°C (212°F)		
Melting/Freezing Point	May start to solidify at -35°C (-31°F) based on data for: Plasticizer.		
Critical Temperature	Not available.		
Specific Gravity	1.082 (Water = 1)		
Vapor Pressure	The highest known value is 17.535 mm of Hg (@ 20°C) (Water).		
Vapor Density	Lower than 1.		
Volatility	V.O.C.: < 5 g/L		
Odor Threshold	Not available.		
Evaporation Rate	Not available.		

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VOC	"See "Volatility" above.
Viscosity	5600 cps (Brookfield Viscometer)
LogK_{ow}	Not available.
Ionicity (in Water)	Not available.
Dispersion Properties	Not available.
Solubility	Soluble in water.
Physical Chemical Comments	No additional information.

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Conditions of Instability	Peroxides, oxidizing materials, acids, light (vinyl acetate)
Incompatibility with Various Substances	Slightly reactive with oxidizing agents, acids, alkalis.
Hazardous Decomposition Products	Products of Combustion include: carbon oxides (CO, CO ₂)
Hazardous Polymerization	Will not occur.

Section 11. Toxicological Information

Toxicity to Animals	Mildly irritating to the eyes.
Chronic Effects on Humans	<p>This product may contain small amounts of vinyl acetate, vapors of which have been shown to cause tumors in the respiratory tract of laboratory animals. There is no evidence that it has caused cancer in humans.</p> <p>A component of this product has been tested for potential reproductive and teratogenic effects. When administered orally to rats and mice at doses which produced toxic effects in the mother, tissue and skeletal malformations were noted. However, no effects were seen in the rabbits treated with this compound.</p> <p>This product contains a chemical that is a suspected endocrine disrupter. Endocrine/hormone disrupters are external agents that interfere in some way with the role of natural hormones in the body. While a variety of chemicals have been found to cause endocrine disruption in laboratory animals, adverse effects in humans have not been established. (US EPA Special Report on Endocrine Disruption, February 1997.)</p>
Other Toxic Effects on Humans	No additional information.
Special Remarks on Toxicity to Animals	No additional remark.
Special Remarks on Chronic Effects on Humans	Vinyl acetate is metabolized to acetaldehyde, which has an IARC 2B (possibly carcinogenic to humans) classification, it has also been listed in Category 2B. May contain traces of formaldehyde; formaldehyde is classified 2A by IARC (probable human carcinogen).
Special Remarks on Other Toxic Effects on Humans	No additional information.

Section 12. Ecological Information

Ecotoxicity Not available.

BOD5 and COD Not available.

Biodegradable/OECD Not available.

Mobility Not determined.

Toxicity of the Products of Biodegradation Not available.

Special Remarks on the Products of Biodegradation No additional remark.

Section 13. Disposal Considerations

Waste Information Spilled, contaminated, or waste material should be put into a suitable container and handled according to local, state/provincial, and federal regulations.

Waste Stream Not available.

Consult your local or regional authorities.

Section 14. Transport Information

DOT Classification Not a DOT controlled material (United States).



Marine Pollutant Not a Marine Pollutant.

Special Provisions for Transport No additional remark.

ADR/RID Classification Not controlled under ADR (Europe).

IMO/IMDG Classification Not controlled under IMDG.

ICAO/IATA Classification Not controlled under IATA.

Section 15. Regulatory Information

HCS Classification May cause irritation of upper respiratory tract. May cause mild eye irritation.

U.S. Federal Regulations
 TSCA 4(a) final test rules: Plasticizer
 TSCA 8(b) inventory: Vinyl acetate; Plasticizer
 TSCA 8(d) H and S data reporting: Vinyl acetate: 2/10/86 to 2/10/96; Plasticizer: 4/29/93
 SARA 302/304/311/312 extremely hazardous substances: Vinyl acetate
 SARA 302/304 emergency planning and notification: No products were found.
 SARA 302/304/311/312 hazardous chemicals: No products were found.
 SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.
 SARA 313 toxic chemical notification and release reporting: Vinyl acetate; Plasticizer
 Clean water act (CWA) 307: Plasticizer
 Clean water act (CWA) 311: Vinyl acetate
 Clean air act (CAA) 112 accidental release prevention: Vinyl acetate

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Clean air act (CAA) 112 regulated flammable substances: No products were found.
Clean air act (CAA) 112 regulated toxic substances: Plasticizer

International Regulations

EINECS Not available.

DSCL (EEC) R36/37- Irritating to eyes and respiratory system.

International Lists Australia: Vinyl acetate
Germany water class: Vinyl acetate
VCI WGK: Vinyl acetate

State Regulations

Pennsylvania RTK: Vinyl acetate; Plasticizer
Florida: Vinyl acetate
Minnesota: Vinyl acetate
Massachusetts RTK: Vinyl acetate; Plasticizer
New Jersey: Vinyl acetate; Plasticizer
California Prop. 65: This product contains the following ingredients known to the State of California to cause cancer: Formaldehyde (50-00-0) in trace amounts, Acetaldehyde (75-07-0).

Section 16. Other Information**Label Requirements**

INHALATION MAY IRRITATE RESPIRATORY TRACT. EYE CONTACT MAY PRODUCE MILD IRRITATION.

Hazardous Material Information System (U.S.A.)

Health	*	1
Fire Hazard		0
Reactivity		0
Personal Protection		A

National Fire Protection Association (U.S.A.)**References**

-SAX, N.I. Dangerous Properties of Industrial Materials. Toronto, Van Nostrand Reinold, 6e ed. 1984.

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
CAS - Chemical Abstract Services
CEPA - Canadian Environmental Protection Act
CERCLA - Comprehensive Environmental Response, Compensation and Liability Act
CFR - Code of Federal Regulations
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

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Other Special Considerations

TSCA (Toxic Substance Control Act): All components of this product are listed on the TSCA Inventory.
EINECS: All components of this product are on the European Inventory of Existing Commercial Chemical Substances.

Validated by Wilsonart International Inc. on 05/04/2000.

Verified by Wilsonart International Inc..

Printed 05/30/2000.

CHEMTREC:
800-424-9300 (USA)
703-527-3887 (International)

Notice to Reader

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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.*