

MSDS Material Safety Data Sheet

Wilsonart International



Wilsonart(R) 600 Adhesive

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MSDS Number: 16396

Revision Date: 4/5/2005

1 PRODUCT AND COMPANY IDENTIFICATION

Common Name Wilsonart^(R) 600 Adhesive

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

Trade Name WA 600 Adhesive

Revision # 17

MATERIAL USES Adhesive for laminate.

In Case of Emergency Contact:

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

2 COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS#	% by weight
Toluene	108-88-3	15 - 40
Methyl ethyl ketone	78-93-3	5 - 15
V.M.& P. Naphtha (Stoddard Solvent)	64742-89-8	40 - 60

3 HAZARDS IDENTIFICATION

Route of Entry: Skin, eyes, and respiratory tract.

Target Organs: Chronic overexposure may effect the central nervous system, kidneys, and/or liver or cause irregular heartbeat. Peripheral nervous system effects.

Inhalation: Inhalation vapors may cause dizziness, light-headedness, nausea, headache, loss of consciousness and death. Material is irritating to mucous membranes and upper respiratory tract. Can be fatal if inhaled or ingested. Narcotic effect; may cause nervous system disturbances. Central nervous system depression and peripheral neuropathy (numbness in limbs) .

Skin Contact: May cause skin irritation. Permeator (absorbed through intact skin).

Eye Contact: May cause eye irritation.

Ingestion: Not an expected route of entry. May be fatal if swallowed.

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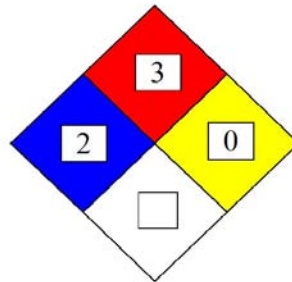
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HMIS (United States):

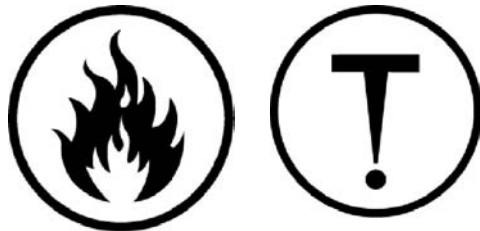
HEALTH	2*
FLAMMABILITY	3
REACTIVITY	0
PPE	C

NFPA (United States):



*See Section 11.

WHMIS (Canada): B2, D2A.



4 FIRST AID MEASURES

- 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). Get immediate medical attention.
- Skin Contact:** 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.
- Ingestion:** Give patient 3 - 4 glasses of water. DO NOT induce vomiting. Get immediate medical attention. DO NOT give anything by mouth to an unconscious person.

Note to physician:

Sudden death due to ventricular fibrillation has been reported from acute inhalation in chronic solvent abusers. Treat patient supportively. Life support measures should be provided because CNS depression, cardiopulmonary failure, and metabolic acidosis have been reported in massive overexposures.

5 FIRE FIGHTING MEASURES

- Flash Point:** -6.1°C (21°F)
- Flash Point Method:** Closed Cup
- Autoignition Temperature:** Lowest known value is 404 °C (759.2 °F, for methyl ethyl ketone).
- LEL:** 2%
- UEL:** 13%

General Hazard:

Flammable liquid, insoluble in water.

Highly flammable in presence of open flames and sparks. Flammable in the presence of heat and/or oxidizing materials.

Risks of explosion of the product in the presence of mechanical impact is not available.

Risks of explosion of the product in the presence of static discharge: Static discharge may serve as an ignition source to closed containers of product.

For small spill: use dry chemicals, CO₂, or alcohol foam.

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For large spill: use dry chemicals, CO₂, or foam. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Firefighting equipment:

Use self contained breathing apparatus with a full face piece and pressure-demand or other positive-pressure mode.

Special Remarks:

Container explosion may occur and fire conditions or when heated.

All electrical equipment in the area must be rated for flammable liquids (Dispensing - Class I, Division 1; Storage - Class 1, Division 2). Ground all containers of this material.

Hazardous products of combustion include carbon oxides (CO, CO₂).

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: Flammable liquid insoluble in water. Eliminate all ignition sources. Stop leak if without risk. 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. Do not use metal tools or equipment.

7 HANDLING AND STORAGE

Handling Precautions: To avoid fire or explosion, dissipate static electricity during transfer by bonding and grounding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Avoid breathing vapors. Handle in well ventilated areas. After handling always wash hands thoroughly with soap and water. Avoid contact with skin or eyes. When using do not drink or smoke.

Storage Requirements: Flammable materials should be stored in a separate safety cabinet or room. Store and use away from heat, sparks open flame, or anyother ignition source. Keep in a cool, well ventilated area. Ground all equipment containing material. Keep out of reach of children.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that a working eyewash and safety shower are in the work area.

Protective Equipment: Wear splash goggles or safety glasses with side shields, synthetic apron, and neoprene or rubber gloves. In case of insufficient ventilation, wear an approved (NIOSH) respirator with organic vapor cartridges with dust/mist pre-filter.

Exposure Guidelines/Other:

<u>Product Name</u>	<u>Exposure Limits</u>
Toluene	ACGIH TWA: 100 ppm OSHA PEL:200 ppm 300 ppm CL
VM & P Naphtha (Stoddard Solvent)	ACGIH TWA: 100 ppm OSHA TWA: 500 ppm
Methyl ethyl ketone	ACGIH TWA: 200 ppm

Consult local authorities and local regulations for exposure limits

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Colorless to light yellow liquid

Physical State: Liquid

Boiling Point: 78.889°C (174°F)

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Odor:	Solvent-like (Strong)	Freezing/Melting Pt.:	May start to solidify at 8.63 °C (47.5 °F) based on Methyl ethyl ketone.
pH:	Not available	Solubility:	Insoluble in water
Vapor Pressure:	185mm of Hg (@20°C)	Spec Grav./Density:	0.841 (Water=1)
Vapor Density:	3.14 (Air=1, toluene).		
VOC:	5.62 lbs/gal (674 g/L)		
Molecular Weight:	Not applicable		
Viscosity:	1200cps (Brookfield Viscometer)		
Percent Volatile:	79%		
Molecular Formula:	Not applicable		

10 STABILITY AND REACTIVITY

Stability:	This product is stable when used as intended.
Conditions to avoid:	Avoid heat sources, open flames, and sparks.
Materials to avoid (incompatibility):	Reactive with acids, alkalis, combustible materials, oxidizing agents, reducing agents.
Hazardous Decomposition products:	Products of combustion include carbon oxides (CO, CO ₂).
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:
Warning: THE LC50VALUES ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE.
Acute oral toxicity (LC50): 2600 mg/kg [Rat]. (Toluene)
Acute dermal toxicity (LC50): 6480 mg/kg [Rabbit]. (Methyl ethyl ketone).
Acute toxicity of the vapor (LC50): 1400ppm 4 hour(s) [Rat]. VM & P Naphtha (Stoddard Solvent).

Chronic toxicity:
CARCENOGENIC EFFECTS: Not classifiable for human or animal.
MUTAGENIC EFFECTS: Classified none for human.
TERATOGENIC EFFECTS: Classified PROVEN for human.
DEVELOPMENTAL TOXICITY: Classified Development toxin [PROVEN] [Toluene].
Causes damage to the following organisms: kidneys, nervous system, liver, upper respiratory tract. Peripheral neuropathy (numbness in limbs). Can cause CNS depression.
Toluene has been reported to have caused spontaneous abortion in women that intentionally concentrated and inhaled its vapors.

12 ECOLOGICAL INFORMATION

Ecotoxicity	Not available
BOD5 and COD	Not available
Biodegradable/OECD	Not available
Toxicity of the Products of Biodegradation	Not available
Special Remarks on the Products of Biodegradation	No additional remark

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DISPOSAL CONSIDERATIONS

Spilled, contaminated, or waste material should be put into a suitable container and handled according to local, state, provincial, and federal regulations. Contact a qualified waste management company in your area for assistance. Empty containers should be either reconditioned by CERTIFIED firms or properly disposed of by approved firms. Disposal of containers should be in accordance with applicable laws and regulations.

"Empty" drums should not be given to individuals. Serious accidents have resulted from the misuse of "emptied" containers. Residual vapors in the containers may be explosive. Do not cut, weld, or braze these containers.

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

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TRANSPORT INFORMATION

DOT Classification - DOT CLASS: 3 (Flammable liquid)

Proper Shipping Name - Adhesives

Markings - None

Packaging instructions - Consumer Commodity, ORM-D (quarts and gallons); Adhesives, 3, UN1133, PG II (containers larger than one gallon)

Marine Pollutant - Not a marine pollutant.

Special Provisions for

Transport-- None

ADR/RID Classification -- Class 3: Flammable liquid A.

IMO/IMDG Classification -- Class 3.2: Flammable liquid (Intermediate flashpoint group of liquids having a flashpoint of -18°C (0°F) up to, but not including, 23°C (73°F) c.c.).

ICAO/IATA Classification -- Class 3: Flammable liquid.

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REGULATORY INFORMATION

U.S. Federal Regulations

TSCA 8(b) inventory: All ingredients are listed.

SARA 302/304/311/312 extremely hazardous substances: No products were found.

SARA 302/304 emergency planning and notification: No products were found.

SARA 302/304/311/312 hazardous chemicals: Toluene

SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found.

SARA 313 toxic chemical notification and release reporting: Toluene; Methyl ethyl ketone

Clean water act (CWA) 307: Toluene

Clean water act (CWA) 311: Toluene

Clean air act (CAA) 112 accidental release prevention: No products were found.

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

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

International Regulations

EINECS

VM&P Naphtha (254-192-2)

Methyl ethyl ketone (201-159-0)

Toluene (203-625-9)

WHMIS (Canada): B2, D2A

DSCL (EEC)

R11- Highly flammable.

R20- Harmful by inhalation.

R66 Repeated exposure may cause skin dryness or cracking.

International Lists

Australia: Toluene; Methyl ethyl ketone

China: Toluene

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Germany water class: Toluene
VCI WGK: Toluene; Methyl ethyl ketone
Japan (MITI): Methyl ethyl ketone

State Regulations

Connecticut carcinogen reporting list.: Toluene
Pennsylvania RTK: Toluene; Methyl ethyl ketone
Florida: Toluene; Methyl ethyl ketone
Minnesota: Toluene; Methyl ethyl ketone
Massachusetts RTK: Toluene; Methyl ethyl ketone
New Jersey: Toluene; Methyl ethyl ketone

California prop. 65: This product contains the following ingredients for which the State of California has found to cause reproductive harm, which would require a warning under the statute: Toluene

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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.
TLVs and BEIs, Threshold Limit Values for Chemical Substances and Physical Agents & Biological Exposure Agents, ACGI Worldwide, Cincinnati, 2003.

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

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TLV-TWA - Threshold Limit Value-Time Weighted Average
TSCA - Toxic Substances Control Act
WHMIS - Workplace Hazardous Material Information System

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

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