

Wilsonart 700 Adhesive

MSDS Number: 18031

Revision Date: 1/9/2008

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1 PRODUCT AND COMPANY IDENTIFICATION

Common Name Wilsonart 700 Adhesive

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

Trade Name WA 700 Adhesive

Revision # 2

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, respiratory tract.
Target Organs: Lung, liver, kidney, central nervous system (CNS) and peripheral nervous system.
Inhalation: Breathing vapors may cause irritation to the respiratory tract.
Skin Contact: May cause skin irritation. May aggravate pre-existing skin conditions.
Eye Contact: Will cause eye irritation.
Ingestion: Not an expected route of entry. If ingested it may cause irritation to gastro-intestinal tract. Aspiration hazard.

DANGER!
EXTREMELY FLAMMABLE LIQUID AND VAPOR, VAPOR MAY CAUSE FLASH FIRE. HARMFUL IF INHALED OR SWALLOWED. MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION.
Use only with adequate ventilation.

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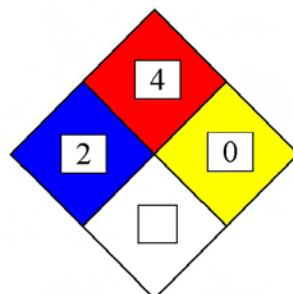
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HMIS (United States):

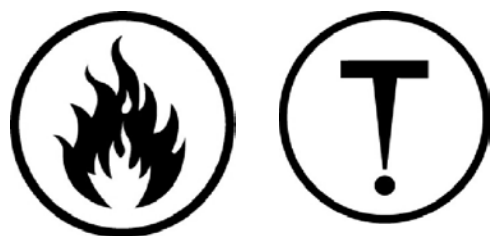
HEALTH	2*
FLAMMABILITY	4
REACTIVITY	0
PPE	C

NFPA (United States):



*See Section 11.

WHMIS (Canada): B2, D2B.



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COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS#	% by weight
Hexane	110-54-3	5 - 20
Acetone	67-64-1	5 - 20
Toluene	108-88-3	2 - 15
Propane	74-98-6	5 - 20
Dimethyl ether	115-10-6	5 - 25
Isobutane	75-28-5	5 - 20

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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.

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FIRE FIGHTING MEASURES

Flash Point:	-138 F (-94 C) Estimated.
Flash Point Method:	Open Cup
Burning Rate:	Not Available.

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Autoignition Temperature: 588 F (Pentane)
LEL: 2.6% (Acetone)
UEL: 12.8% (Acetone)
Flammability Classification: Not Classified.

Extremely flammable liquid and vapor. Vapor may cause flash fires. Vapors are heavier than air and can travel long distances to ignition sources. Canister can explode in a fire.

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 for this product.

In case of fire use dry chemicals, CO₂, or alcohol foam. Avoid water. 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 in fire conditions or when heated.

All electrical equipment in the area must be rated for flammable liquids.

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

6 ACCIDENTAL RELEASE MEASURES

Personal precautions:

Wear appropriate PPE. Extremely flammable. Remove all sources of ignition. Make sure area is well ventilated. Spilled adhesive may be slippery.

Environmental precautions:

Keep out of sewers or drains.

Clean-up methods

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

7 HANDLING AND STORAGE

Handling Precautions: Wear appropriate PPE. Keep away from heat, sparks, and flames. If used indoors, make sure to provide adequate ventilation to prevent vapor build-up.

Storage Requirements: Store in a well ventilated, cool (below 49 C or 120 F), dry area. Ensure product is kept away from all heat or spark sources. Prohibit smoking in storage area.

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:

Product Name
Toluene

Exposure Limits
ACGIH TWA: 100 ppm, OSHA PEL:200 ppm

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	300 ppm CL
Acetone	ACGIH TWA: 500 ppm, 750 ppm STEL OSHA TWA: 1000 ppm
Pentane	ACGIH TWA: 600 ppm, OSHA TWA: 1000 ppm
N-Hexane	ACGIH TWA: 50 ppm, OSHA TWA: 500 ppm
Propane	ACGIH TWA: 1000 ppm, OSHA TWA: 1000 ppm
Isobutane	ACGIH TWA: 1000 ppm

Consult local authorities and local regulations for exposure limits .

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid Adhesive in Canister.	Boiling Point:	Not Applicable.
Physical State:	Liquid under Pressure.	Freezing/Melting Pt.:	Not Applicable.
Odor:	Strong Solvent.	Solubility:	Not Soluble in Water.
pH:	Not Applicable.	Spec Grav./Density:	Not Available.
Vapor Pressure:	Not Available.		
Vapor Density:	Greater than air.		
VOC:	490 g/L		
Viscosity:	Not Available.		

10 STABILITY AND REACTIVITY

Stability:	Product is stable as supplied.
Conditions to avoid:	Copper and copper alloys, strong acids, and alkalis.
Materials to avoid (incompatibility):	All ignition sources and elevated temperatures.
Hazardous Decomposition products:	Carbon oxides (CO and CO ₂) and various hydrocarbons.
Hazardous Polymerization:	Product will not polymerize.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity to Animals: Toluene, oral toxicity LD50: 2600 mg/kg [Rat]. Dermal LD50: 12210 mg/kg [Rabbit]. (Acetone, dermal LD50 > 15.8 g/kg (rabbit), inhalation 4 hr. LC50 > 16,000 ppm (rat), oral LD50 8.5 g/Kg (rat). Evidence of embryofetal toxicity (pup) after exposure to high concentrations. Skin and eye irritant.

Chronic Toxicity to Animals: Acetone, 4 month exposure resulted in 23% drop in weight gain (rat). Has been reported to cause adverse effects in the hematological system, liver, kidney and testis. This product contains trace amounts of talc. Rats exposed to high concentrations of talc fine particles for a lifetime developed lung inflammation, fibrosis and lung tumors. Relevance to humans is uncertain.

Acute Toxicity to Humans: No additional information.

Chronic Effects on Humans: No additional information.

Carcinogenic Effects: Not classifiable for human or animal.

Mutagenic Effects: Classified none for human.

Teratogenic Effects: Classified PROVEN for human [Toluene].

Developmental Toxicity: Classified Development toxin [PROVEN] [Toluene].

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Causes damage to the following organs: kidneys, liver, central nervous system (CNS).

N-hexane is a neurotoxin. Toluene has been reported to have caused spontaneous abortion in women that intentionally concentrated and inhaled its vapors. Can cause CNS depression and Peripheral neuropathy (numbness in limbs).

12 ECOLOGICAL INFORMATION

Ecotoxicity: This product may kill grasses and small plants. Non-toxic to fish. Moderately toxic to amphibians by preventing dermal respiration. May cause gastrointestinal distress to birds, mammals through ingestion.

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

13 DISPOSAL CONSIDERATIONS

Spilled, contaminated, or waste material should be put into a suitable container and handled according to local, state, and federal regulations. Contact a qualified waste management company in your area for assistance.

Empty containers larger than 30 lb. capacity should be returned for reconditioning and recycling according to the manufacturer's instructions. Empty containers of 30 lbs. or less capacity should be safely disposed of according to federal, state, and local laws and regulations.

"Empty" containers 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.

14 TRANSPORT INFORMATION

SHIP DOMESTIC GROUND ONLY

DO NOT SHIP BY AIR

Proper Shipping Name - Liquefied gas, flammable, n.o.s.

Hazard Class - 2.1

Identification Number - UN 3161

Label Code - 2.1

Portable tank code T50

Marine Pollutant - NO

15 REGULATORY INFORMATION

U.S. Federal Regulations

OSHA (29 CFR 1910.1200) - Hazardous.

CERCLA Reportable quantity (Rq) values:

Acetone 5000 lbs.

Hexane 5000 lbs.

Pentane 5000 lbs

Toluene 1000 lbs.

Propane 10000 lbs.

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TSCA inventory: the chemicals in this product are listed.

SARA 302/304/311/312 extremely hazardous substances: Acetone, propane, hexane, pentane, toluene.

SARA 302/304 emergency planning and notification: Acetone, propane, hexane, pentane, toluene.

SARA 302/304/311/312 hazardous chemicals: Acetone, propane, hexane, pentane, toluene.

SARA 311/312 MSDS distribution, chemical inventory, hazard identification: Acetone, hexane, pentane, toluene.

SARA 313 toxic chemical notification and release reporting: Hexane, propane, pentane, toluene.

CWA 307: None.

CWA 311: None.

CAA 112 accidental release prevention: Pentane, propane, toluene.

CAA 112 regulated flammable substances: Pentane, propane, toluene.

CAA 112 regulated toxic substances: Pentane, propane, toluene.

International Regulations

EINECS - The chemicals are listed.

DSL - The chemicals in this product are listed.

WHIMS - B2, D2B.

State Regulations

Massachusetts RTK: Acetone, toluene, pentane, hexane.

Minnesota RTK: Acetone, toluene, pentane, hexane.

New Jersey RTK: Acetone, toluene, pentane, hexane.

Pennsylvania RTK: Acetone, toluene, pentane, hexane.

Rhode Island RTK: Acetone, toluene, pentane, hexane.

California Prop. 65:

Warning. This product contains toluene, a chemical known to cause cancer or reproductive toxicity. This product contains trace amounts of benzene, a chemical known to the State of California to cause cancer or reproductive toxicity.

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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.

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, 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

MSDS *Material Safety Data Sheet* Wilsonart International



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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

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