

# MSDS **Material Safety Data Sheet**

**Wilsonart International**



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Wilsonart® 700/701 Adhesive

Revision Date: 11/10/11  
Revision No.: 5

## 1 PRODUCT AND COMPANY IDENTIFICATION

**Common Name:** Wilsonart® 700/701 Adhesive

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

**Trade Name:** WA 700/701 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, 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.

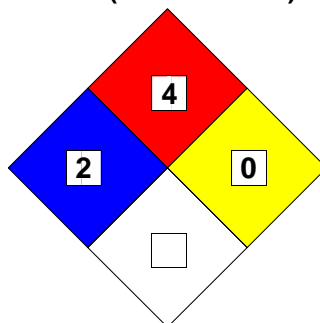
**Ingestion:** Not an expected route of entry. If ingested it may cause irritation to the gastro-intestinal tract.  
Aspiration hazard

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.

HMIS (United States):	
HEALTH	2
FLAMMABILITY	4
REACTIVITY	0
PPE	C

NFPA (United States):



WHMIS (Canada): A, B1, D2B



\*See Section 11

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

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

**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). Seek 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. Seek immediate medical attention. DO NOT give anything by mouth to an unconscious person.

**5 FIRE FIGHTING MEASURES**

**Flash Point:** -156°F (-104°C)

**Flash Point Method:** Open Cup

**Autoignition Temp.:** 437°F (225°C) (n-Hexane)

**Burning Rate:** Not Available

**LEL:** 1.1% (n-Hexane & Toluene)

**UEL:** 27.0% (Dimethyl Ether)

**Flammability Classification:** Not Classified

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

**Risk of Explosion Due to Mechanical Impact:** Not Available.

**Risk of Explosion Due to Static Discharge:** Static discharge may serve as an ignition source for this product.

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

In case of fire, use dry chemicals, CO<sub>2</sub>, or alcohol foam. Avoid water. Cool containing vessels with water jet to prevent pressure build-up, autoignition, or explosion.

**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 and CO<sub>2</sub>) 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 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. 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 cool, (below 120°F or 49°C) dry, well-ventilated area. Ensure product is kept away from all sources of heat and sparks. Prohibit smoking in the storage area.

**8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Engineering Controls:** Provide exhaust ventilation or other engineering controls to keep 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 cartridge and dust/mist pre-filter.

**Exposure Guidelines / Other:**

Product Name	Exposure Limits		
Acetone (CAS 67-64-1):	OSHA PEL:	TWA 1000 ppm	
	ACGIH TLV:	TWA 500 ppm	STEL 750 ppm
n-Hexane (CAS 110-54-3):	OSHA PEL:	TWA 500 ppm	
	ACGIH TLV:	TWA 50 ppm	
Isobutane (CAS 75-28-5):	OSHA PEL:	TWA 1000 ppm	
	ACGIH TLV:	TWA 1000 ppm	
Propane (CAS 74-98-6):	OSHA PEL:	TWA 1000 ppm	
	ACGIH TLV:	TWA 1000 ppm	
Toluene (CAS 108-88-3):	OSHA PEL:	TWA 200 ppm	CL 300 ppm
	ACGIH TLV:	TWA 20 ppm	

Consult local authorities and local regulations for exposure limits.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Liquid adhesive in pressurized canister

**Physical State:** Liquid

**Odor:** Strong solvent

**pH:** Not Applicable

**Vapor Pressure:** Not Applicable

**Vapor Density:** Greater than air

**Boiling Point:** Not Applicable

**Freezing / Melting Point:** Not Applicable

**Solubility:** Not Soluble

**Specific Gravity / Density:** 0.67 – 0.69

**VOC:** 490 g/L

## 10 STABILITY AND REACTIVITY

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

**Conditions to Avoid:** All ignition sources and elevated temperatures.

**Materials to Avoid (Incompatibility):** Copper and copper alloys, strong acids, and alkalis.

**Hazardous Decomposition Products:** Carbon Oxides (CO and CO<sub>2</sub>) and various Hydrocarbons.

**Hazardous Polymerization:** Will not polymerize.

## 11 TOXICOLOGICAL INFORMATION

**Acute Toxicity to Animals:**

Acetone (CAS 67-64-1): Dermal LD50 > 15.8 g/kg (rabbit).  
Inhalation 4 hour LC50 > 16000 ppm (rat)  
Oral LD50 = 8.5 g/kg (rat).

Toluene (CAS 108-88-3): Dermal LD50 = 12210 mg/kg (rabbit).  
Oral LD50 = 2600 mg/kg (rat).

**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:** Classifiable none or human.

**Teratogenic Effects:** Classified PROVEN for human (Toluene).

**Developmental Toxicity:** Classified PROVEN developmental toxin (Toluene).

Causes damage to the following organs: kidney, 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 the product 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 and 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:** Not Available

**13 DISPOSAL CONSIDERATIONS**

Spilled, contaminated, or waste material should be put into a suitable container and handled according to Federal, State, and local regulations. Contact a qualified waste management company 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 lb. or less in capacity should be safely disposed of according to Federal, State, and local regulations. "Empty" containers should not be given to individuals. Serious accidents have resulted from the misuse of "empty" containers. Residual vapors in the container may be explosive. Do not cut, weld, braze, or grind on an "empty" container.

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:** UN 3161, Liquefied gas, Flammable, N.O.S. (Contains Dimethyl Ether, n-Hexane), 2.1

**ADR/RID Classification:** Class 2.1; Flammable Gas.

**ICAO/IATA Classification:** Class 2.1; Flammable Gas.

**IMO/IMDG Classification:** Class 2.1; Flammable Gas.

**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
Acetone (67-64-1)				5000		U002
n-Hexane (110-54-3)			1	5000		
Propane (74-98-6)					10000	
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
Acetone (67-64-1)		X	X	X	X	X
n-Hexane (110-54-3)		X	X	X	X	X
Propane (74-98-6)			X	X	X	X
Toluene (108-88-3)	X	X	X	X	X	X
Benzene (71-43-2)	X*					

\*In trace amounts

**International Regulations**

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

**EINECS:** The chemicals in this product are listed.

WHMIS: A, B1, & D2B.

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OTHER INFORMATION

Prepared by: Environmental, Health, and Safety Department, Wilsonart International.  
Telephone: 254-207-7000 Internet: [www.wilsonart.com](http://www.wilsonart.com)

**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