

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Trade name : Wilsonart 700/701 Adhesive  
Product form : Mixture

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Adhesive for laminate

#### 1.3. Details of the supplier of the safety data sheet

Wilsonart LLC  
P.O. Box 6110  
Temple, TX 76503  
Information phone: 800-433-3222 (USA)  
In Case of Emergency Contact CHEMTREC (International): 703-527-3887

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC: (800) 424-9300

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### GHS-US classification

Simple Asphy H380  
Flam. Gas 1 H220  
Skin Irrit. 2 H315  
Eye Irrit. 2A H319  
Repr. 2 H361  
STOT SE 3 H336  
STOT RE 2 H373  
Asp. Tox. 1 H304

#### 2.2. Label elements

##### GHS-US labelling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

**Danger**

Hazard statements (GHS-US) :

H220 - Extremely flammable gas  
H304 - May be fatal if swallowed and enters airways  
H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H336 - May cause drowsiness or dizziness  
H361 - Suspected of damaging fertility or the unborn child  
H373 - May cause damage to organs through prolonged or repeated exposure  
H380 - May displace oxygen and cause rapid suffocation

Precautionary statements (GHS-US) :

P201 - Obtain special instructions before use  
P202 - Do not handle until all safety precautions have been read and understood  
P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking  
P260 - Do not breathe mist, vapours  
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray  
P264 - Wash hands, forearms and face thoroughly after handling  
P271 - Use only outdoors or in a well-ventilated area  
P280 - Wear eye protection, face protection, protective gloves, face shield  
P301+P310 - IF SWALLOWED: Immediately call poison center/doctor/...  
P302+P352 - If on skin: Wash with plenty of soap and water  
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P308+P313 - If exposed or concerned: Get medical advice/attention  
P312 - Call a doctor, a poison center if you feel unwell  
P314 - Get medical advice/attention if you feel unwell  
P321 - Specific treatment (see first aid instructions on this label)  
P331 - Do NOT induce vomiting  
P332+P313 - If skin irritation occurs: Get medical advice/attention  
P337+P313 - If eye irritation persists: Get medical advice/attention

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P362 - Take off contaminated clothing and wash before reuse  
P377 - Leaking gas fire: Do not extinguish, unless leak can be stopped safely  
P381 - Eliminate all ignition sources if safe to do so  
P403 - Store in a well-ventilated place  
P403+P233 - Store in a well-ventilated place. Keep container tightly closed  
P405 - Store locked up  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

### 2.3. Other hazards

No additional information available

### 2.4. Unknown acute toxicity (GHS-US)

No data available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

Name	Product identifier	%
Hexane	(CAS No) 110-54-3	15 - 40
Acetone	(CAS No) 67-64-1	15 - 40
Propane	(CAS No) 74-98-6	15 - 40
Isobutane	(CAS No) 75-28-5	15 - 40
Toluene	(CAS No) 108-88-3	10 - 30
Dimethyl ether	(CAS No) 115-10-6	10 - 30

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.

First-aid measures after inhalation : IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical attention. If breathing is difficult, supply oxygen. If breathing has stopped, give artificial respiration.

First-aid measures after skin contact : IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes. If irritation develops or persists, get medical attention.

First-aid measures after eye contact : IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. If pain, blinking, or irritation develops or persists, get medical attention. Continue rinsing.

First-aid measures after ingestion : IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention immediately.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries : May be fatal if swallowed and enters airways. May cause drowsiness or dizziness. Causes serious eye irritation. Suspected of damaging fertility. Suspected of damaging the unborn child. Causes skin irritation. May cause damage to organs through prolonged or repeated exposure. May displace oxygen and cause rapid suffocation.

Symptoms/injuries after inhalation : May be fatal if swallowed and enters airways. May cause drowsiness or dizziness.

Symptoms/injuries after skin contact : Causes skin irritation.

Symptoms/injuries after eye contact : Causes serious eye irritation.

Symptoms/injuries after ingestion : May be fatal if swallowed and enters airways.

Chronic symptoms : Suspected of damaging fertility. Suspected of damaging the unborn child. . May cause damage to organs through prolonged or repeated exposure.

### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water Fog

.Unsuitable extinguishing media : Direct Water Stream.

### 5.2. Special hazards arising from the substance or mixture

Fire hazard : Extremely flammable liquid and vapour.

Explosion hazard : Static discharge may serve as an ignition source for this product. Pressurised container: May burst if heated.

Reactivity : No dangerous reactions known under normal conditions of use.

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### 5.3. Advice for firefighters

- Firefighting instructions : Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment. Prevent human exposure to fire, fumes, smoke and products of combustion.
- Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.
- Other information : Vapours may travel long distances along ground before igniting/flashing back to vapour source. This material is flammable and may be ignited by heat, sparks, or static electricity.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Evacuate area. Keep upwind. Ventilate area. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8). Avoid vapor formation. In case of spills, beware of slippery floors and surfaces. Eliminate all sources of ignition. Vapor may cause flash fires. Vapors are heavier than air and can travel long distances to ignition sources.

#### 6.1.1. For non-emergency personnel

- Protective equipment : Wear Protective equipment as described in Section 8.
- Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

- Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

- For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
- Methods for cleaning up : Remove all sources of ignition. Avoid breathing of vapors. Wear appropriate respirator and other protective clothing. Ventilate. Shut off source of leak only if safe to do so. Soak up with absorbent material, and place in non-leaking containers for proper disposal.

### 6.4. Reference to other sections

See Sections 8 and 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- Precautions for safe handling : Keep away from heat, sparks and open flames. Use adequate ventilation and avoid repeated or prolonged skin contact. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Ground/bond container and receiving equipment. Prohibit smoking in storage area. Avoid contact with skin and eyes.

### 7.2. Conditions for safe storage, including any incompatibilities

- Storage conditions : Store in a well-ventilated place. Keep container tightly closed. Isolate from oxidizers, heat, sparks, electrical equipment and open flame. Closed containers may explode if exposed to extreme heat. Store in a cool dry place. Prohibit smoking in storage area.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Hexane (110-54-3)	
ACGIH TWA (ppm)	50
OSHA PEL (TWA) (mg/m <sup>3</sup> )	1800
OSHA PEL (TWA) (ppm)	500
Toluene (108-88-3)	
ACGIH TWA (ppm)	20
Remark (ACGIH)	Visual impair; female repro;
Acetone (67-64-1)	
ACGIH TWA (ppm)	500
ACGIH STEL (ppm)	750
OSHA PEL (TWA) (mg/m <sup>3</sup> )	2400
OSHA PEL (TWA) (ppm)	1000

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<b>Acetone (67-64-1)</b>	
OSHA PEL (STEL) (mg/m <sup>3</sup> )	2400 (The acetone STEL does not apply to the cellulose acetate fiber industry. It is in effect for all other sectors)
OSHA PEL (STEL) (ppm)	1000
<b>Propane (74-98-6)</b>	
ACGIH TWA (ppm)	1000 (listed under Aliphatic hydrocarbon gases: Alkane C1-4)
OSHA PEL (TWA) (mg/m <sup>3</sup> )	1800
OSHA PEL (TWA) (ppm)	1000
<b>Dimethyl ether (115-10-6)</b>	
Remark (ACGIH)	OELs not established
Remark (OSHA)	OELs not established
<b>Isobutane (75-28-5)</b>	
ACGIH STEL (ppm)	1000
Remark (OSHA)	OELs not established

### 8.2. Exposure controls

Appropriate engineering controls

: Provide adequate general and local exhaust ventilation. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof equipment with flammable materials. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

: Protective goggles. Gloves. Wear chemically impervious apron over labcoat and full coverage clothing. Insufficient ventilation: wear respiratory protection.



Hand protection

: Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Rubber or Neoprene Gloves.

Eye protection

: Wear eye protection, including chemical splash goggles and a face shield when possibility exists for eye contact due to spraying liquid or airborne particles.

Skin and body protection

: Wear long sleeves, and chemically impervious PPE/coveralls to minimize bodily exposure.

Respiratory protection

: Wear a NIOSH-approved (or equivalent) full-facepiece airline respirator in the positive pressure mode with emergency escape provisions. In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment with gas filter (type A2). Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid adhesive in pressurized canister.
Color	: No data available
Odor	: Solvent.
Odor Threshold	: No data available
pH	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: -104 °C Open Cup (-156 °F)
Auto-ignition temperature	: 225 °C (n-Hexane 437 °F)
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: Greater than air
Relative density	: 0.67 - 0.69

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Solubility	: Insoluble.
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: 1.1 - 27 vol % (1.1% for n-Hexane and Toluene, 27% for Dimethyl Ether)

### 9.2. Other information

VOC content : 490 g/l

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

### 10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

Heat, flame. Ignition sources.

### 10.5. Incompatible materials

Copper and copper alloys, strong acids, alkalies and oxidizers.

### 10.6. Hazardous decomposition products

Carbon oxides (CO, CO<sub>2</sub>). Various hydrocarbons.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	: Not classified
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

#### Benzene (71-43-2)

IARC group	1 - Carcinogenic to humans
National Toxicology Program (NTP) Status	2 - Known Human Carcinogens

Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
Specific target organ toxicity (single exposure)	: May cause drowsiness or dizziness.
Specific target organ toxicity (repeated exposure)	: May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	: May be fatal if swallowed and enters airways.
Symptoms/injuries after inhalation	: May be fatal if swallowed and enters airways. May cause drowsiness or dizziness.
Symptoms/injuries after skin contact	: Causes skin irritation.
Symptoms/injuries after eye contact	: Causes serious eye irritation.
Symptoms/injuries after ingestion	: May be fatal if swallowed and enters airways.
Chronic symptoms	: Suspected of damaging fertility. Suspected of damaging the unborn child. . May cause damage to organs through prolonged or repeated exposure.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : Product may kill grasses and small plants. Not expected to be toxic to fish. Moderately toxic to amphibians. May cause gastrointestinal distress to birds and mammals through ingestion.

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### 12.2. Persistence and degradability

<b>Wilsonart 700/701 Adhesive</b>	
Persistence and degradability	The product is not biodegradable.

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Do not discharge to public wastewater systems without permit of pollution control authorities. No discharge to surface waters is allowed without an NPDES permit.

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

## SECTION 14: Transport information

In accordance with DOT

Transport document description : UN3501 Chemical under pressure, flammable, n.o.s., 2.1

UN-No.(DOT) : 3501

DOT NA no. : UN3501

Proper Shipping Name (DOT) : Chemical under pressure, flammable, n.o.s.

Transport hazard class(es) (DOT) : 2.1 - Class 2.1 - Flammable gas 49 CFR 173.115

Hazard labels (DOT) : 2.1 - Flammable gas



DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : Forbidden

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 75 kg

DOT Vessel Stowage Location : D - The material must be stowed "on deck only" on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers or one passenger per each 3 m of overall vessel length, but the material is prohibited on passenger vessels in which the limiting number of passengers is exceeded.

DOT Vessel Stowage Other : 40 - Stow "clear of living quarters"

### Additional information

Other information : No supplementary information available.

### Transport by sea

No additional information available

### Air transport

No additional information available

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

<b>Wilsonart 700/701 Adhesive</b>	
All components of this product are listed on the TSCA Inventory or are exempt	
SARA Section 311/312 Hazard Classes	Delayed (chronic) health hazard Immediate (acute) health hazard Fire hazard

<b>Toluene (108-88-3)</b>	
Section 302 (EHS) TPQ	
Section 304 EHS RQ	
CERCLA RQ	1000 lb

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Section 313	Listed on US SARA Section 313
<b>Acetone (67-64-1)</b>	
Section 302 (EHS) TPQ	
Section 304 EHS RQ	
CERCLA RQ	5000 lb
Section 313	Not listed on US SARA Section 313
<b>Hexane (110-54-3)</b>	
Section 302 (EHS) TPQ	
Section 304 EHS RQ	
CERCLA RQ	5000 lb
Section 313	Listed on US SARA Section 313
<b>Benzene (71-43-2)</b>	
Section 302 (EHS) TPQ	
Section 304 EHS RQ	
CERCLA RQ	10 lb
Section 313	Listed on US SARA Section 313
<b>Propane</b>	CAS #: 74-98-6
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Section 302 (EHS) TPQ	lb
Section 304 EHS RQ	lb
CERCLA RQ	lb
Section 313	
CAA 112(r) TQ	10,000 lb

<b>Dimethyl ether</b>	CAS #: 115-10-6
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Section 302 (EHS) TPQ	lb
Section 304 EHS RQ	lb
CERCLA RQ	lb
Section 313	
CAA 112(r) TQ	10,000 lb

<b>Isobutane</b>	CAS #: 75-28-5
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Section 302 (EHS) TPQ	lb
Section 304 EHS RQ	lb
CERCLA RQ	lb
Section 313	
CAA 112(r) TQ	10,000 lb

### 15.2. International regulations

No additional information available.

### 15.3. US State regulations

WARNING! This product contains chemicals known to the state of California to cause cancer, birth defects, or other reproductive harm.

<b>Benzene (71-43-2)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
Yes	Yes	No	Yes	6.4 µg/day
<b>Toluene (108-88-3)</b>				
U.S. - California - Proposition 65 - Carcinogens List	U.S. - California - Proposition 65 - Developmental Toxicity	U.S. - California - Proposition 65 - Reproductive Toxicity - Female	U.S. - California - Proposition 65 - Reproductive Toxicity - Male	Non-significant risk level (NSRL)
No	Yes	No	No	7000 µg/day

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### Hexane (110-54-3)

U.S. - Massachusetts - Right To Know List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

### Benzene (71-43-2)

U.S. - Massachusetts - Right To Know List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances  
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

### Toluene (108-88-3)

U.S. - Massachusetts - Right To Know List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List  
U.S. - Pennsylvania - RTK (Right to Know) List

### Acetone (67-64-1)

U.S. - Massachusetts - Right To Know List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

### Propane (74-98-6)

U.S. - Massachusetts - Right To Know List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

### Dimethyl ether (115-10-6)

U.S. - Massachusetts - Right To Know List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

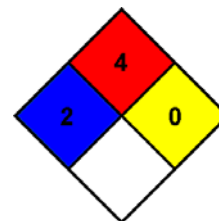
### Isobutane (75-28-5)

U.S. - Massachusetts - Right To Know List  
U.S. - New Jersey - Right to Know Hazardous Substance List  
U.S. - Pennsylvania - RTK (Right to Know) List

## SECTION 16: Other information

Indication of changes : New SDS Created.  
Revision date : 12/11/2015  
Other information : Author: KAA.

NFPA health hazard : 2 - Intense or continued exposure could cause temporary incapacitation or possible residual injury unless prompt medical attention is given.  
NFPA fire hazard : 4 - Will rapidly or completely vaporize at normal pressure and temperature, or is readily dispersed in air and will burn readily.  
NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



### HMIS III Rating

Health : 2\*  
Flammability : 4  
Physical : 0  
Personal Protection :

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product