

1 PRODUCT AND COMPANY IDENTIFICATION

Common Name: Wilsonart® 730/731 Adhesive

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

Trade Name: WA 730/731 Adhesive

Material Uses: Adhesive for laminate

Revision #: 0 (New)

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.

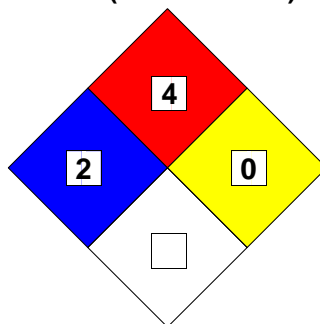
Ingestion: Not an expected route of entry. If ingested it may cause irritation to the gastro-intestinal tract.

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
Methyl Acetate	79-20-9	65 – 75

Dimethyl Ether	115-10-6	< 1
Isobutane	75-28-5	< 1
Propane	74-98-6	< 1

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: Not Available

Autoignition Temp.: Not Available

Burning Rate: Not Available

LEL: 1.8% (Isobutane)

UEL: 18.0% (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.

Hazardous Products of Combustion: Carbon Oxides (CO and CO₂), Aldehydes, and various Hydrocarbons.

Special remarks: 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. All electrical equipment in the area must be rated for flammable liquids. In case of fire, use dry chemicals, CO₂, or alcohol foam. Avoid water. Cool containing vessels with water jet to prevent pressure build-up, autoignition, or explosion.

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. Do not store with acids or oxidizers.

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
Isobutane	OSHA PEL: TWA 800 ppm (vacated 1989)
	ACGIH TLV: TWA 1000 ppm
Propane	OSHA PEL: TWA 1000 ppm
	ACGIH TLV: TWA 800 ppm
Methyl Acetate	OSHA PEL: TWA 200 ppm
	ACGIH TLV: TWA 200 ppm STEL 250 ppm

Consult local authorities and local regulations for exposure limits.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid adhesive in pressurized canister. Adhesive may be red or clear.	Boiling Point:	- 44°F (- 42°C)
Physical State:	Liquid	Freezing / Melting point:	Not Applicable
Odor:	Strong solvent	Solubility:	Not Soluble in Water
pH:	Not Applicable	Specific Gravity / Density:	0.93 – 0.97 (7.7 – 8.1 lb/gal)
Vapor Pressure:	Not Available	VOC:	< 40 g/L
Vapor Density:	Greater than air		

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 oxidizers.

Hazardous Decomposition Products: Carbon Oxides (CO and CO₂), Aldehydes, and various Hydrocarbons.

Hazardous Polymerization: Will not polymerize.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity to Animals:	Dimethyl Ether:	Inhalation 4 hour LC50 > 164000 ppm (rat).
		Inhalation 4 hour LC50 > 134350 ppm (mouse).
	Isobutane:	Inhalation 4 hour LC50 > 368000 ppm (mouse).
	Methyl Acetate:	Inhalation 4 hour LC50 range 16000 - 32000 ppm (rat).
		Inhalation 4 hour LCLO = 11300 ppm (mouse).
		Oral toxicity LD50 = 3700 mg/kg (rabbit).
		Skin toxicity LD50 > 5000 mg/kg (rabbit).
	Propane:	Inhalation 15 minute LC50 > 800000 ppm (rat).

Chronic Toxicity to Animals: No additional information.

Acute Toxicity to Humans: No additional information.

Chronic Effects on Humans: No additional information.

Carcinogenic Effects: No additional information.

Mutagenic Effects: No additional information.

Teratogenic Effects: No additional information.

Developmental Toxicity: No additional information.

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: 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 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: Liquefied gas, Flammable, n.o.s

Hazard Class: 2.1

Identification Number: UN 3161

Label Code: 2.1

Marine Pollutant: Not available.

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
Dimethyl Ether (115-10-6)					10000	
Isobutane (75-28-5)					10000	
Methyl Acetate (79-20-9)						
Propane (74-98-6)					10000	

All quantities in pounds

State Regulations

Chemical (& CAS Number)	CA Prop 65	MA RTK	MN RTK	NJ RTK	PA RTK	RI RTK
Dimethyl Ether (115-10-6)		X	X	X	X	X
Isobutane (75-28-5)		X		X	X	
Methyl Acetate (79-20-9)		X	X	X	X	X
Propane (74-98-6)		X	X	X	X	X

International Regulations

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

EINECS: The chemicals in this product are listed.

WHIMS: A, B1, & D2B.

16 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, ACGIH Worldwide, Cincinnati, 2007.

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)

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)

MSDS **Material Safety Data Sheet**

Wilsonart International



MSDS Number: 19784

Wilsonart® 730/731 Adhesive

Revision Date: 11/15/08

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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