

MSDS **Material Safety Data Sheet**

Wilsonart International



MSDS Number: 20010
Page 1 of 6

Wilsonart® 1730/1731 Adhesive

Revision Date: 04/16/10
Revision No: 0 (New)

1 PRODUCT AND COMPANY IDENTIFICATION

Common Name: Wilsonart® 1730/1731 Adhesive

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

Trade Name: WA 1730/1731 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, inhalation, and ingestion.

Target Organs: Lung, liver, kidney, and central nervous system (CNS).

Inhalation: Breathing vapors may cause irritation to the respiratory tract and Central Nervous System (CNS) stimulation and/or depression with headache, nausea, and dizziness. Intentional overexposure of concentrated vapors by direct inhalation is extremely hazardous.

Skin Contact: May cause skin irritation. May aggravate pre-existing skin conditions.

Eye Contact: May cause eye irritation.

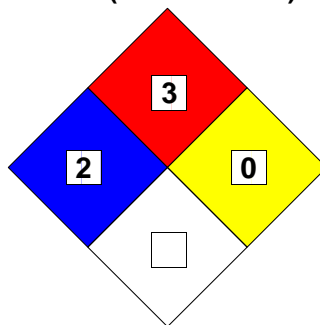
Ingestion: Not an expected route of entry. If ingested it may cause irritation to the gastro-intestinal tract.

DANGER!

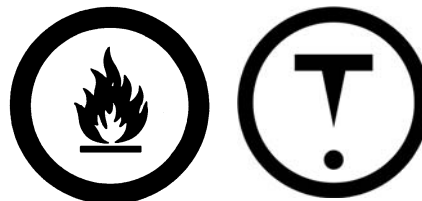
EXTREMELY FLAMMABLE LIQUID AND VAPOR. VAPOR MAY CAUSE FLASH FIRE. HARMFUL IF INHALED OR SWALLOWED. MAY CAUSE RESPIRATORY TRACT, EYE AND SKIN IRRITATION. USE ONLY WITH ADEQUATE VENTILATION.

HMIS (United States):	
HEALTH	2
FLAMMABILITY	3
REACTIVITY	0
PPE	C

NFPA (United States):



WHMIS (Canada): B2, D2B



3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	CAS#	% by Weight
Methyl Acetate	79-20-9	35 – 50
p-Chlorobenzotrifluoride	98-56-6	20 – 30
Cyclohexane	110-82-7	< 3
Toluene	108-88-3	< 1

MSDS **Material Safety Data Sheet**

Wilsonart International



MSDS Number: 20010
Page 2 of 6

Wilsonart® 1730/1731 Adhesive

Revision Date: 04/16/10
Revision No: 0 (New)

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: Remove contaminated clothing. 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: DO NOT induce vomiting. Seek immediate medical attention. DO NOT give anything by mouth to an unconscious person.

5 FIRE FIGHTING MEASURES

Flash Point: 7°F (-13.9°C)

Flash Point Method: Seta Closed Cup

Autoignition Temp.: 473°F (245°C) (Cyclohexane)

Burning Rate: Not Available

LEL: 1.27% (Toluene)

UEL: 16.0% (Methyl Acetate)

Flammability Classification: Class 1B Flammable Liquid

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), Chlorine compounds, Fluorine compounds, 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. 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. Water stream on spilled adhesive may spread adhesive.

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.

MSDS **Material Safety Data Sheet**

Wilsonart International



MSDS Number: 20010
Page 3 of 6

Wilsonart® 1730/1731 Adhesive

Revision Date: 04/16/10
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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
Cyclohexane (CAS 110-82-7)	OSHA PEL: TWA 300 ppm ACGIH TLV: TWA 100 ppm
Methyl Acetate (CAS 79-20-9)	OSHA PEL: TWA 200 ppm ACGIH TLV: TWA 200 ppm STEL 250 ppm
Toluene (CAS 108-88-3)	OSHA PEL: TWA 200 ppm CL 300 ppm 500 ppm (10 minute max peak) ACGIH TLV: TWA 20 ppm

Consult local authorities and local regulations for exposure limits.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Red or Off-White Liquid.

Physical State: Liquid

Odor: Organic solvent

pH: Not Applicable

Vapor Pressure: Not Available

Vapor Density: Greater than air

% Volatile: 64%

VOC Calculated (Less Water and Exempt Solvents): 78 g/L (0.65 lb/gal.)

VOC Calculated (Per Liter of Material): 31 g/L (0.26 lb/gal.)

VHAP Calculated: 0.03 lbs VHAP/lb solids or 0.08 lb VHAP/gal.

Boiling Point: 165°F (74°C)

Freezing / Melting Point: Not Available

Solubility: Not Soluble in Water

Specific Gravity / Density: 8.4 lb/gal.

Viscosity: ~ 1400 cP

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, alkalis, and oxidizers.

Hazardous Decomposition Products: Carbon Oxides (CO and CO₂), Chlorine Compounds, Fluorine Compounds, and various Hydrocarbons.

Hazardous Polymerization: Will not polymerize.

11 TOXICOLOGICAL INFORMATION

Acute Toxicity to Animals:	p-Chlorobenzotrifluoride: (CAS 98-56-6)	Inhalation 4 hour LC50 = 4479 ppm (rat). Oral LD50 > 6800 mg/kg (rat) Dermal LD50 > 2700 mg/kg (rabbit).
	Cyclohexane (CAS 110-82-7):	Oral LD50 = 12850 mg/kg (rat). Dermal LD50 > 18000 mg/kg (rabbit).
	Methyl Acetate (CAS 79-20-9):	Inhalation 4 hour LC50 > 16000 ppm (rat). Oral LD50 > 5000 mg/kg (rat) Oral LD50 = 3700 mg/kg (rabbit) Dermal LD50 > 5000 mg/kg (rabbit)
	Toluene (CAS 108-88-3):	Inhalation 4 hour LC50 = 7585 ppm (rat) Inhalation 4 hour LC50 = 7100 ppm (mouse) Oral LD50 = 5580 mg/kg (male rat) Dermal LD50 = 12125 mg/kg (rabbit)

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.

MSDS Material Safety Data Sheet

Wilsonart International



MSDS Number: 20010
Page 4 of 6

Wilsonart® 1730/1731 Adhesive

Revision Date: 04/16/10
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Mutagenic Effects: No additional information.
Teratogenic Effects: No additional information.
Developmental Toxicity: No additional information.

12 ECOLOGICAL INFORMATION

Ecotoxicity: 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 by 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. Do not puncture, incinerate, weld, or braze container. Residual vapors may be explosive. RCRA hazardous waste code: D001.

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

14 TRANSPORT INFORMATION

Proper Shipping Name: Adhesives (DOT), Flammable Liquid.

DOT Classification: Adhesives, Hazard Class 3, UN1133, Packing Group II

Special Provision for Transport: 1 Liter or less may use Limited Quantity exceptions (49CFR 173.150).

ADR/RID Classification: Class 3; Flammable Liquid.

ICAO/IATA Classification: Class 3; Flammable Liquid.

IMO/IMDG Classification: Class 3; Flammable Liquid.

Marine Pollutant: No.

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
Cyclohexane (CAS 110-82-7)			1	1000		U056
Toluene (CAS 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
Cyclohexane (CAS 110-82-7)		X	X	X	X	X
Methyl Acetate (CAS 79-20-9)		X	X	X	X	X
Toluene (CAS 108-88-3)*	X	X	X	X	X	X

* **WARNING:** This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

International Regulations

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

EINECS: The chemicals in this product are listed.

WHMIS: B2, D2B.

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
- CL – Ceiling
- CWA – Clean Water Act
- DOT – Department of Transportation
- DSCCL – 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

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.

MSDS *Material Safety Data Sheet*

Wilsonart International



MSDS Number: 20010
Page 6 of 6

Wilsonart® 1730/1731 Adhesive

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END OF MSDS DOCUMENT