

Section 1. Chemical Product and Company Identification

Common Name	Wilsonart^(R) (WA)121 Adhesive Cleaner	Code	USA16376
Supplier	WILSONART INTERNATIONAL INC. P.O. BOX 6110 - 2400 Wilson Place, Temple, TX 76503 Telephone: 800-433-3222 (U.S.A.) or 254-207-7000	MSDS#	16376
Synonym	Also known as: Lokweld^(R) (LW) 121 Adhesive Cleaner	Validation Date	06/05/2000
Trade name	Wilsonart ^(R) (WA)121 Adhesive Cleaner	Print Date	06/05/2000
Material Uses	Cleaner for Wilsonart ^(R) Adhesives and laminate surfaces	Responsible Name	Wilsonart International Inc.
Manufacturer	WILSONART INTERNATIONAL, INC. P.O. BOX 6110, Temple, TX 76503-6110 Information Phone: 254-207-7000 or 800-433-3222	In Case of Emergency	CHEMTREC: 800-424-9300 (USA) 703-527-3887 (International)

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits
V.M.& P Naphtha	64742-89-8	40-60	TWA: 400 ppm
N-hexane	110-54-3	1-5	TWA: 176 mg/m ³ ACGIH (TLV)
			TWA: 50 ppm ACGIH (TLV)
			TWA: 200 ppm DFG MAKs
Hexane isomers	N/A	40-60	TWA: 1760 mg/m ³ CEIL: 3500 mg/m ³ ACGIH (TLV)
			TWA: 500 ppm STEL: 1000 ppm ACGIH (TLV)
			TWA: 200 ppm DFG MAKs

Section 3. Hazards Identification

Physical State and Appearance	Liquid.
Emergency Overview	DANGER! EXTREMELY FLAMMABLE LIQUID AND VAPOR, VAPOR MAY CAUSE FLASH FIRE. HARMFUL IF SWALLOWED OR INHALED. May cause skin, eye and respiratory irritation. Use only with adequate ventilation.
Routes of Entry	Absorbed through skin. Skin contact. Eye contact. Inhalation.
Potential Acute Health Effects	<p>Eyes This product is an eye irritant.</p> <p>Skin Prolonged skin contact may cause dermatitis with drying and cracking of skin. Permeator (absorbed through the intact skin).</p> <p>Inhalation May cause respiratory tract irritation. Inhalation of the vapors may cause dizziness, nausea, headache, or anaesthetic effects. Central nervous system depression.</p> <p>Ingestion Not an expected route of entry. Ingestion may cause nausea, vomiting, dizziness, gastrointestinal irritation.</p>
Potential Chronic Health Effects	Repeated or prolonged exposure to the substance can produce nervous system damage. Prolonged exposure may cause narcotic effect. Prolonged skin contact may cause dermatitis with drying and cracking of skin. Repeated or prolonged exposure to the substance can produce liver or kidney damage.
Medical Conditions Aggravated by Overexposure:	Individuals with preexisting lung disease, asthma, or breathing difficulties may have increased susceptibility to the toxicity of excessive exposures.

Continued on Next Page

Overexposure /Signs/Symptoms See Toxicological Information (section 11)	Skin inflammation is characterized by itching, scaling, reddening. Inflammation of the eye is characterized by redness, watering, and itching.
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Section 4. First Aid Measures

Eye Contact	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention.
Skin Contact	Wash contaminated skin with soap and water. If the product got onto the clothed portion of the body, remove the contaminated clothes as quickly as possible. Place the victim under a deluge shower. If irritation occurs, seek medical attention. Wash contaminated clothing before reusing.
Inhalation	Allow the victim to rest in a well ventilated area. Oxygen may be administered if breathing is difficult. If irritation or difficult breathing persists, seek immediate medical attention.
Ingestion	Do not induce vomiting. Have conscious person drink several glasses of water or milk. NEVER give an unconscious person anything to ingest. Seek medical attention.
Notes to Physician	Sudden death due to ventricular fibrillation has been reported from acute inhalation in chronic solvent abusers. Treat patient supportively. Life support measures should be provided because CNS depression cardiopulmonary failure, and metabolic acidosis have been reported in massive overexposures.

Section 5. Fire Fighting Measures

Flammability of the Product	Flammable.
Auto-ignition Temperature	The lowest known value is 225°C (437°F) (N-hexane).
Flash Points	CLOSED CUP: -16.667°C (2°F). (Pensky-Martens.)
Flammable Limits	LOWER: 1% UPPER: 6%
Products of Combustion	These products are carbon oxides (CO, CO ₂).
Fire Hazards in Presence of Various Substances	Highly flammable in presence of open flames and sparks. Flammable in presence of heat, of oxidizing materials, of combustible materials. Slightly flammable to flammable in presence of reducing materials.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. Slightly explosive to explosive in presence of oxidizing materials.
Fire Fighting Media and Instructions	Flammable liquid, insoluble in water. SMALL SPILL: Use DRY chemicals, CO ₂ , alcohol foam or water spray. LARGE SPILL: Use DRY chemicals, CO ₂ , water spray or foam. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.
Protective Clothing (Fire)	Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.
Special Remarks on Fire Hazards	Container explosion may occur under fire conditions or when heated. Vapor may travel considerable distance to source of ignition and flash back.
Special Remarks on Explosion Hazards	All electrical equipment in the area must be rated for flammable liquids. [Dispensing - Class I, Division 1; Storage - Class I, Division 2] Ground all equipment containing material.

Section 6. Accidental Release Measures

Small Spill and Leak	Absorb with an inert material and place in an appropriate waste disposal container.
Large Spill and Leak	Flammable liquid, insoluble in water. Eliminate all ignition sources. Ventilate area. Stop leak if without risk. Prevent entry into sewers, basements or confined areas; dike if needed. Absorb with an inert material and put the spilled material in an appropriate waste disposal container. Do not use metal tools or equipment.

Section 7. Handling and Storage

Handling	To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Eliminate all ignition sources (flames, pilot lights, heaters, stoves, electric motors, etc.). Avoid breathing vapors or spray mists. Avoid contact with skin and eyes. After handling, always wash hands thoroughly with soap and water.
Storage	Store and use away from heat, sparks, open flame, or any other ignition source. Flammable materials should be stored in a separate safety storage cabinet or room. Keep container tightly closed and in a well-ventilated place. Ground all equipment containing material. Keep out of the reach of children. WA121 is classified as a Class 1B flammable liquid in accordance with OSHA storage guidelines.

Section 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 eyewash stations and safety showers are proximal to the work-station location.
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Personal Protection

Eyes Splash goggles.

Body Synthetic apron.

Respiratory In case of insufficient ventilation, wear an approved (NIOSH) respirator with organic vapor cartridges with dust/mist pre-filter.

Hands Neoprene or nitrile gloves.

Feet No special precautions are necessary if used as intended.

Protective Clothing (Pictograms)

Personal Protection in Case of a Large Spill In case of insufficient ventilation, wear an approved (NIOSH) respirator with organic vapor cartridges. Splash goggles. Gloves (neoprene or nitrile). Safety glasses. Boots. Full suit.

Product Name	Exposure Limits
V.M.& P Naphtha n-Hexane	TWA: 400 ppm TWA: 176 mg/m ³ ACGIH (TLV) TWA: 50 ppm ACGIH (TLV) TWA: 200 ppm DFG MAKs
Hexane isomers	TWA: 1760 mg/m ³ CEIL: 3500 mg/m ³ ACGIH (TLV) TWA: 500 ppm STEL: 1000 ppm ACGIH (TLV) TWA: 200 ppm DFG MAKs

Consult local authorities for acceptable exposure limits.

Section 9. Physical and Chemical Properties

Physical State and Appearance	Liquid.	Odor	Aromatic. (Slight.)
Molecular Weight	Not applicable.	Taste	Not available.
Molecular Formula	Not applicable.	Color	Clear Colorless.
pH (1% Soln/Water)	Not available.		
Boiling/Condensation Point	93.333°C (200°F)		
Melting/Freezing Point	May start to solidify at -95°C (-139°F) based on data for: N-hexane. Weighted average: -95°C (-139°F)		
Critical Temperature	The lowest known value is 234.2°C (453.6°F) (N-hexane).		
Specific Gravity	0.697 (Water = 1)		
Vapor Pressure	90.3 mm of Hg (@ 20°C)		
Vapor Density	The highest known value is 2.97 (Air = 1) (N-hexane). Weighted average: 2.97 (Air = 1)		
Volatility	100% volatile.		
Odor Threshold	Not available.		
Evaporation Rate	Not available.		
VOC	V.O.C.'s: 5.8 lbs/gal; 689 g/Liter (less water & exempt compounds) MAXIMUM VOC: 689 g/Liter (SCAQMD) Composite Vapor Pressure: 90.2 mm/Hg HAP CONTENT: 0.84 lbs/gal		
Viscosity	Not available.		
LogK_{ow}	Not available		
Ionicity (in Water)	Not available.		
Dispersion Properties	Not available.		
Solubility	Insoluble in water.		
Physical Chemical Comments	Not available.		

Section 10. Stability and Reactivity

Stability and Reactivity	The product is stable.
Conditions of Instability	No additional information.
Incompatibility with Various Substances	Reactive with acids, alkalis, oxidizing agents, reducing agents, combustible materials.
Hazardous Decomposition Products	Products of Combustion include: carbon oxides (CO, CO ₂)
Hazardous Polymerization	Will not occur.

Section 11. Toxicological Information

Toxicity to Animals	Acute oral toxicity (LD50): 28710 mg/kg [Rat]. (N-hexane).
Chronic Effects on Humans	<p>CARCINOGENIC EFFECTS: Classified None. MUTAGENIC EFFECTS: Classified None. TERATOGENIC EFFECTS: Classified None.</p> <p>Causes damage to the following organs: blood, kidneys, the nervous system, liver, skin, eyes, central nervous system (CNS). Narcotic effect; may cause nervous system disturbances. N-hexane is a neurotoxin. Prolonged skin contact may cause dermatitis with drying and cracking of skin.</p>
Other Toxic Effects on Humans	In case of eye contact (irritant); in case of skin contact (irritant, absorbed through the intact skin).
Special Remarks on Toxicity to Animals	No additional remark.
Special Remarks on Chronic Effects on Humans	No additional information.
Special Remarks on Other Toxic Effects on Humans	May cause allergic reactions, eczema and/or dehydration of the skin. Individuals with impaired lung function or asthma-like conditions may experience additional breathing difficulties due to the irritant properties of this material.


Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Biodegradable/OECD	Not available.
Mobility	Not available.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	No additional remark.

Section 13. Disposal Considerations

Waste Information	<p>Spilled, contaminated, or waste material should be put into a suitable container and handled according to local, state/provincial, and federal regulations. Contact a qualified waste management company in your area for assistance.</p> <p>EMPTY CONTAINERS: Empty containers should be either reconditioned by CERTIFIED firms or properly disposed of by APPROVED firms. Disposal of containers should be in accordance with applicable laws and regulations.</p> <p>"Empty" drums should not be given to individuals. Serious accidents have resulted from the misuse of "emptied" containers. Residual vapors may in the container(s) may be explosive. Do not cut, weld, or braze these containers.</p>
Waste Stream	Not available.
Consult your local or regional authorities.	

Section 14. Transport Information

DOT Classification	DOT CLASS: Flammable liquid.	
	Flammable liquids n.o.s.(contains hexane, VM&P Naphtha) , 3 , UN1993, PG II	
Marine Pollutant	Not a Marine pollutant.	
Special Provisions for Transport	1 Liter or less may use Limited Quantity exceptions (49CFR 173.150)	
ADR/RID Classification	Class 3: Flammable liquid A.	
IMO/IMDG Classification	IMDG CLASS 3: Flammable liquid.	
ICAO/IATA Classification	IATA CLASS 3: Flammable liquid.	

Section 15. Regulatory Information

HCS Classification	HCS CLASS: Flammable liquid having a flash point lower than 37.8°C (100°F).
U.S. Federal Regulations	TSCA 8(b) Inventory: V.M.& P Naphtha; N-hexane SARA 302/304/311/312 Extremely Hazardous Substances: No products were found. SARA 302/304 Emergency Planning and Notification: No products were found. SARA 302/304/311/312 Hazardous Chemicals: N-hexane SARA 311/312 MSDS distribution - chemical inventory - hazard identification: No products were found. SARA 313 Toxic Chemical Notification and Release Reporting: N-hexane Clean Water Act (CWA) 307: No products were found. Clean Water Act (CWA) 311: No products were found. Clean air act (CAA) 112 accidental release prevention: No products were found. Clean air act (CAA) 112 regulated flammable substances: No products were found. Clean air act (CAA) 112 regulated toxic substances: No products were found.
International Regulations	
EINECS	n-Hexane and its isomers (203-777-6) VM&P Naphtha (254-192-2)
DSCL (EEC)	R11- Highly flammable. R38- Irritating to skin. R51/53- Toxic to aquatic organisms. Contains substances which are dangerous for the aquatic environment. R67 Vapours may cause drowsiness and dizziness.
International Lists	Australia: N-hexane Germany water class: N-hexane
State Regulations	Pennsylvania RTK: V.M.& P Naphtha; N-hexane Florida: N-hexane Minnesota: N-hexane Massachusetts RTK: V.M.& P Naphtha; N-hexane New Jersey: N-hexane California Prop. 65: No products were found.

Section 16. Other Information**Label Requirements**

EXTREMELY FLAMMABLE LIQUID AND VAPOR, VAPOR MAY CAUSE FLASH FIRE. HARMFUL IF SWALLOWED OR INHALED.

Hazardous Material Information System (U.S.A.)

Health	*	2
Fire Hazard		3
Reactivity		0
Personal Protection		C

National Fire Protection Association (U.S.A.)**References**

-SAX, N.I. Dangerous Properties of Industrial Materials. Toronto, Van Nostrand Reinold, 6e ed. 1984.

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
 CAS - Chemical Abstract Services
 CEPA - Canadian Environmental Protection Act
 CERCLA - Comprehensive Environmental Response, Compensation and Liability Act
 CFR - Code of Federal Regulations
 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

Other Special Considerations

TSCA (Toxic Substance Control Act): All components of this product are listed on the TSCA Inventory.
 EINECS: All components of this product are on the European Inventory of Existing Commercial Chemical Substances.

Validated by Wilsonart International Inc. on 06/05/2000.

Verified by Wilsonart International Inc..

Printed 06/05/2000.

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 supplier nor any of its subsidiaries assumes any liability whatsoever for the 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.