

## Section 1. Chemical Product and Company Identification

<b>Common Name</b>	<b>Wilsonart<sup>(R)</sup> (WA)121 Aerosol Cleaner</b>	<b>Code</b>	16375
<b>Supplier</b>	WILSONART INTERNATIONAL INC. P.O. BOX 6110 - 2400 Wilson Place, Temple, TX 76503 Telephone: 800-433-3222 (U.S.A.) or 254-207-7000	<b>MSDS#</b>	16375
<b>Synonym</b>	Also known as: <b>Lokweld<sup>(R)</sup> (LW) 121 Aerosol Cleaner</b>	<b>Validation Date</b>	<b>07/23/1999</b>
<b>Trade name</b>	Wilsonart <sup>(R)</sup> (WA)121 Aerosol Cleaner	<b>Print Date</b>	07/23/1999
<b>Material Uses</b>	Cleaner for Wilsonart <sup>(R)</sup> Adhesives and laminate surfaces	<b>Responsible Name</b>	<b>Wilsonart International Inc.</b>
<b>Manufacturer</b>	WILSONART INTERNATIONAL, INC. P.O. BOX 6110, Temple, TX 76503-6110 Information Phone: 254-207-7000 or 800-433-3222	<b>In Case of Emergency</b>	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	60-100	Not available.
N-hexane	110-54-3	1-5	TWA: 176 mg/m <sup>3</sup> ACGIH (TLV)
Carbon dioxide	124-38-9	1-5	TWA: 5000 ppm STEL: 30000 ppm ACGIH (TLV)
Hexane isomers	N/A	15-40	TWA: 10000 ppm STEL: 30000 ppm OSHA TWA: 1760 mg/m <sup>3</sup> CEIL: 3500 mg/m <sup>3</sup> ACGIH (TLV) TWA: 50 ppm ACGIH (TLV)

## Section 3. Hazards Identification

<b>Physical State and Appearance</b>	Aerosol
<b>Emergency Overview</b>	<b>DANGER!</b> 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.
<b>Routes of Entry</b>	Absorbed through skin. Skin contact. Eye contact. Inhalation.
<b>Potential Acute Health Effects</b>	<p><b>Eyes</b> This product is an eye irritant.</p> <p><b>Skin</b> Prolonged skin contact may cause dermatitis with drying and cracking of skin. Permeator (absorbed through the intact skin).</p> <p><b>Inhalation</b> May cause respiratory tract irritation. Inhalation of the vapors may cause dizziness, nausea, headache, or anaesthetic effects. Central nervous system depression.</p> <p><b>Ingestion</b> Not an expected route of entry. Ingestion may cause nausea, vomiting, dizziness, gastrointestinal irritation.</p>
<b>Potential Chronic Health Effects</b>	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.
<b>Medical Conditions Aggravated by Overexposure:</b>	Individuals with preexisting lung disease, asthma, or breathing difficulties may have increased susceptibility to the toxicity of excessive exposures.
<b>Overexposure /Signs/Symptoms</b>	Skin inflammation is characterized by itching, scaling, reddening. Inflammation of the eye is characterized by redness, watering, and itching.
<b>See Toxicological Information (section 11)</b>	

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**Section 4. First Aid Measures**

<b>Eye Contact</b>	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Seek medical attention.
<b>Skin Contact</b>	Wash contaminated skin with soap and water. Wash contaminated clothing before reusing. If irritation occurs, seek medical attention.
<b>Inhalation</b>	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.
<b>Ingestion</b>	Not an expected route of entry. Do not induce vomiting. Seek immediate medical attention.
<b>Notes to Physician</b>	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**

<b>Flammability of the Product</b>	Flammable.
<b>Auto-ignition Temperature</b>	Not available.
<b>Flash Points</b>	CLOSED CUP: -29°C (-20.2°F). (Pensky-Martens.) FLAME SPREAD: 22 - 24 inches. FLASHBACK: Yes
<b>Flammable Limits</b>	Not available.
<b>Products of Combustion</b>	These products are carbon oxides (CO, CO <sub>2</sub> ).
<b>Fire Hazards in Presence of Various Substances</b>	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.
<b>Explosion Hazards in Presence of Various Substances</b>	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.
<b>Fire Fighting Media and Instructions</b>	Flammable liquid, insoluble in water. SMALL SPILL: Use DRY chemicals, CO <sub>2</sub> , alcohol foam or water spray. LARGE SPILL: Use DRY chemicals, CO <sub>2</sub> , water spray or foam. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.
<b>Protective Clothing (Fire)</b>	Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.
<b>Special Remarks on Fire Hazards</b>	Container explosion may occur under fire conditions or when heated. Vapor may travel considerable distance to source of ignition and flash back.
<b>Special Remarks on Explosion Hazards</b>	Container explosion may occur under fire conditions or when heated.

**Section 6. Accidental Release Measures**

<b>Small Spill and Leak</b>	Not applicable due to size and type of container.
<b>Large Spill and Leak</b>	Not likely due to size of container.

**Section 7. Handling and Storage**

<b>Handling</b>	After handling, always wash hands thoroughly with soap and water. Avoid breathing vapors or spray mists. Avoid contact with skin and eyes. Use only with adequate ventilation. Store and use away from heat, sparks, open flame, or any other ignition source. Keep out of the reach of children. Do not puncture or incinerate container.
<b>Storage</b>	Flammable materials should be stored in a separate safety storage cabinet or room. Keep in a cool, well-ventilated place. Do not puncture, incinerate, store the container at temperatures above 49°C (120°F) or in direct sunlight. Do not freeze.

**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.

**Personal Protection**

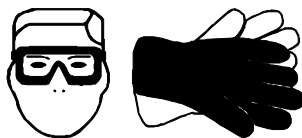
**Eyes** Safety glasses with side shields or safety goggles.

**Body** No special precautions are necessary if used as intended.

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

**Hands** Gloves (Viton, nitrile, or neoprene).

**Feet** No special precautions are necessary if used as intended.

**Protective Clothing (Pictograms)**

**Personal Protection in Case of a Large Spill** Not likely due to size of container.

**Product Name****Exposure Limits**

V.M. & P Naphtha  
n-Hexane  
Carbon dioxide  
Hexane isomers

Not available.  
TWA: 176 mg/m<sup>3</sup> ACGIH (TLV)  
TWA: 5000 ppm STEL: 30000 ppm ACGIH (TLV)  
TWA: 10000 ppm STEL: 30000 ppm OSHA  
TWA: 1760 mg/m<sup>3</sup> CEIL: 3500 mg/m<sup>3</sup> ACGIH (TLV)  
TWA: 50 ppm ACGIH (TLV)

Consult local authorities for acceptable exposure limits.

**Section 9. Physical and Chemical Properties**

**Physical State and Appearance** Aerosol

**Odor** Alcohol like. (Slight.)

**Molecular Weight** Not applicable.

**Taste** Not available.

**Molecular Formula** Not applicable.

**Color** Clear Colorless.

**pH (1% Soln/Water)** Not available.

**Boiling/Condensation Point** Not available.

**Melting/Freezing Point** Not available.

**Critical Temperature** Not available.

**Specific Gravity** 0.64 (Water = 1)

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Vapor Pressure	Not available.
Vapor Density	The highest known value is 1.53 (Air = 1) (Carbon dioxide).
Volatility	See VOC information below.
Odor Threshold	Not available.
Evaporation Rate	Not available.
VOC	VOC CONTENT: 697 g/L of material (SCAQMD) COMPOSITE PARTIAL PRESSURE: 66 mmHg @ 20 °C
Viscosity	Not available.
LogK <sub>ow</sub>	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	Not available.
Hazardous Decomposition Products	Products of Combustion include: carbon oxides (CO, CO <sub>2</sub> )
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	<b>CARCINOGENIC EFFECTS:</b> Classified None. <b>MUTAGENIC EFFECTS:</b> Classified None. <b>TERATOGENIC EFFECTS:</b> Classified None. 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.
Other Toxic Effects on Humans	No additional information.
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	No additional information.

**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** Waste must be disposed of in accordance with federal, state and local environmental control regulations.

**Waste Stream** Not available.

**Consult your local or regional authorities.**

**Section 14. Transport Information**

**DOT Classification** CLASS 2.1: Flammable gas.



Aerosol., 2.1, UN1950

**Marine Pollutant** Not a Marine pollutant.

**Special Provisions for Transport** May be shipped as a Consumer Commodity, ORM-D per ground within the USA.  
May be shipped as a Class 9, Miscellaneous Hazard per air (IATA regulations) throughout the world.

**ADR/RID Classification** CLASS 2.1: Flammable gas.

**IMO/IMDG Classification** CLASS 2.1: Flammable gas.

**ICAO/IATA Classification** CLASS 2.1: Flammable gas.

**Section 15. Regulatory Information**

**HCS Classification** Class: Flammable gas.  
Class: Irritating substance.  
Class: Target organ effects.  
Class: Reproductive toxins.

**U.S. Federal Regulations** TSCA 4(a) proposed test rules: N-hexane  
TSCA 4(a) final test rules: N-hexane  
TSCA 8(b) inventory: V.M.& P Naphtha; N-hexane  
TSCA 12(b) one time export: 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: 1%  
Clean water act (CWA) 307: No products were found.

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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**

<b>EINECS</b>	Not available.
<b>DSCL (EEC)</b>	R12- Extremely flammable. R36- Irritating to eyes.
<b>International Lists</b>	Australia: N-hexane; Hexane isomers  Germany water class: N-hexane; Hexane isomers

**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		B

**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

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**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 07/23/1999.

Verified by Wilsonart International Inc..

Printed 07/23/1999.

**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.*