

SAFETY DATA SHEET
WOOD KOTE PRODUCTS INC.
www.woodkote.com

Section 1: Product and Company Identification

Product Name: LaqFlat-A Product Code: 604A

WOOD KOTE PRODUCTS INC.

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USA

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EMERGENCY CONTACT

INFOTRAC (Transportation): 800-535-5053

Product Use: Lacquer Flattening Agent. This product is intended for professional use and application only.

Section 2: Hazards Identification

GHS Ratings:

Flammable liquid	2	Flash point < 23°C and initial boiling point > 35°C (95°F)
Oral Toxicity	Acute Tox. 3	Oral>50+<=300mg/kg
Dermal Toxicity	Acute Tox. 3	Dermal>200+<=1000mg/kg
Inhalation Toxicity	Acute Tox. 3	Gases>500+<=2500ppm, Vapors>2+<=10mg/l, Dusts&mists>0.5+<=1mg/l.
Skin corrosive	3	Reversible adverse effects in dermal tissue. Draize score: >= 1.5 < 2.3.
Eye corrosive	2A	Eye irritant: subcategory 2A, reversible in 21 days.
Carcinogen	2	Limited evidence of human or animal carcinogenicity.
Reproductive toxin	1B	Presumed, based on experimental animals.
Aspiration hazard	1	Aspiration Toxicity Category 1: known (regarded)- human evidence - hydrocarbons with kinematic viscosity 20.5 mm ² /s at 40° C.

GHS Hazards

H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H316	Causes mild skin irritation.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H351	Suspected of causing cancer.
H360	May damage fertility or the unborn child.

GHS Precautions

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.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/light/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P260	Do not breathe mist/vapours/spray.
P264	Wash skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P281	Use personal protective equipment as required.
P331	Do NOT induce vomiting.

P363 Wash contaminated clothing before reuse.
 P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
 P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing . Rinse skin with water/shower.
 P304+P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
 P333+P313 If skin irritation or a rash occurs: Get medical advice/attention.
 P370+P378 In case of fire: Use water fog, "alcohol" foam, dry chemical, or CO2.
 P403+P235 Store in a well ventilated place. Keep cool.
 P501WK If spilled, contain spilled material and dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations. Avoid release to the environment.

Signal Word: Danger



HIGHLY FLAMMABLE LIQUID AND VAPOR

Section 3: Composition / Information on Ingredients

Chemical Name	CAS number	Weight Concentration %
Polymer/Solids	Proprietary	12.00%
Isopropyl Alcohol	67-63-0	12.00%
Silicon Dioxide	112926-00-8	12.00%
Isobutyl Acetate	110-19-0	10.00%
Xylene (o-,m-,p- isomers)	1330-20-7	9.00%
Solvent Naphtha, Light Aliphatic	64742-89-8	9.00%
Nitrocellulose	9004-70-0	6.00%
Rosin, Maleated, Polymer with Glycerol	68038-41-5	5.00%
Isobutyl Isobutyrate	97-85-8	5.00%
Acetone	67-64-1	4.00%
Methanol	67-56-1	4.00%
Castor Oil	8001-79-4	3.00%
Ethylene Glycol Butyl Ether	111-76-2	3.00%
Butyl Benzyl Phthalate	85-68-7	2.00%
Ethyl Benzene	100-41-4	1.00%
Toluene	108-88-3	1.00%
Methyl Ethyl Ketone	78-93-3	1.00%

Section 4: First Aid Measures

IF INHALED: If breathing is difficult, remove source of exposure or move victim to fresh air and keep at rest in a position comfortable for breathing. If victim is not breathing, call 911 and administer CPR as directed.

IF IN EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention immediately.

IF ON SKIN: Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persist.

IF SWALLOWED: DO NOT INDUCE VOMITING. Do not attempt to give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention.

Note to Physician: Provide general supportive measures and treat symptomatically.

Section 5: Fire Fighting Measures

Flash Point: -18 C (0 F)

LEL: 1.00

UEL: 36.00

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical, or CO₂.

EXPLOSION HAZARDS: When heated above the flash point, this material emits flammable vapors which, when mixed with air, can burn or be explosive. Fine mists or sprays may be flammable at temperatures below the flash point.

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide and unidentified organic compounds may be formed during combustion.

FIRE FIGHTING PROCEDURES: DANGER! Highly flammable liquid and vapor. Vapors are heavier than air. Vapors may travel across the ground and reach remote ignition sources causing a flashback fire danger. Clear fire area of unprotected personnel. Wear positive pressure self-contained breathing apparatus (SCBA). Move containers from fire area if you can do it without risk. Use water spray to cool containers exposed to fire.

FIRE EQUIPMENT: Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive pressure, NOISH approved, self-contained breathing apparatus.

Section 6: Accidental Release Measures

PERSONAL PRECAUTIONS: Wear appropriate protective equipment including respiratory protection as conditions warrant. Do not touch or walk through spilled material. Do not touch damaged containers unless wearing appropriate protective clothing.

EMERGENCY PROCEDURES: As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Ventilate closed spaces before entering.

CONTAINMENT/CLEAN-UP MEASURES: Stop leak if you can do it without risk. All equipment used when handling the product must be grounded. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material. A vapor suppressing foam may be used to reduce vapors.

LARGE SPILLS: Stop the flow of the material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Use water spray to reduce vapors or divert vapor cloud drift. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Section 7: Handling and Storage

HANDLING: Do not handle until all safety precautions have been read and understood. Vapors may form explosive mixtures with air. Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist or vapor. Avoid contact during pregnancy/while nursing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling.

STORAGE: Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a cool, dry, well-ventilated area away from incompatible substances. Store in flammables area. Keep in original container tightly closed when not in use.

COMMENTS: Read label before use. KEEP OUT OF REACH OF CHILDREN! Empty containers, retain product residue (liquid and/or vapor). Do not pressurize, cut weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks static electricity, or other sources of ignition; they may explode and cause injury or death.

Section 8: Exposure Control and Personal Protection

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Polymer/Solids Proprietary	NDA	NDA	NDA
Isopropyl Alcohol 67-63-0	TWA 400 ppm 980 mg/m ³	TWA 200 ppm STEL 400 ppm	NIOSH: TWA 400 ppm 980 mg/m ³
Silicon Dioxide 112926-00-8	TWA 6mg/m ³	NDA	NIOSH: TWA 6mg/m ³
Isobutyl Acetate 110-19-0	TWA 150 ppm 700 mg/m ³	TWA 150 ppm	NIOSH: TWA 150 ppm 700 mg/m ³
Xylene (o-,m-,p- isomers) 1330-20-7	TWA 100 ppm 435 mg/m ³	STEL: 150 ppm TWA: 100 ppm	TWA 100 ppm 435 mg/m ³
Solvent Naphtha, Light Aliphatic 64742-89-8	TWA 500 ppm	TWA 300 ppm 1,370 mg/m ³	NDA
Nitrocellulose 9004-70-0	TWA 400 ppm 1,200 mg/m ³	TWA 400 ppm STEL 500 ppm	NIOSH: TWA 1,000 ppm 1,900 mg/m ³
Rosin, Maleated, Polymer with Glycerol 68038-41-5	NDA	NDA	NDA
Isobutyl Isobutyrate 97-85-8	NDA	NDA	NDA
Acetone 67-64-1	TWA 1000 ppm - 2400 mg/m ³	TWA 500 ppm STEL 750 PPM	NIOSH: TWA 250 ppm 590 mg/m ³
Methanol 67-56-1	TWA 200 ppm 260 mg/m ³	TWA 200 ppm STEL 250 ppm	NIOSH: TWA 200 ppm 260 mg/m ³
Castor Oil 8001-79-4	NDA	NDA	NIOSH: TWA 10 mg/m ³
Ethylene Glycol Butyl Ether 111-76-2	TWA 50 ppm 240 mg/m ³	TWA 20 ppm	NIOSH: TWA 5 ppm 24 mg/m ³
Butyl Benzyl Phthalate 85-68-7	NDA	NDA	NDA
Ethyl Benzene 100-41-4	TWA: 100 ppm - 435 mg/m ³	TWA: 20ppm	NIOSH IDLH: 800 ppm TWA: 100 ppm - 435 mg/m ³ STEL: 125 ppm - 545 mg/m ³
Toluene 108-88-3	TWA 100 ppm 375 mg/m ³ STEL 150 ppm 560 mg/m ³ CEIL 330 ppm	TWA 20 ppm	NIOSH: TWA 100 ppm 375 mg/m ³
Methyl Ethyl Ketone 78-93-3	TWA 200 ppm 260 mg/m ³	TWA 200 ppm STEL 250 ppm	NIOSH: TWA 200 ppm 260 mg/m ³ ST 250 ppm 325 mg/m ³

ENGINEERING CONTROLS: Provide general local exhaust ventilation sufficient to keep the airborne concentration of this product below its exposure limits. Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination.

VENTILATION: General mechanical ventilation or local exhaust should be suitable to keep vapor concentrations below TLV. Ventilation equipment must be explosion proof.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety goggles. Maintain eye wash fountain and quick drench facilities in work areas.

SKIN: Wear protective gloves. To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

RESPIRATORY: In case of insufficient ventilation, wear suitable respiratory equipment. Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced.

WORK HYGIENIC PRACTICES: Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Safety shower and eye wash should be available close to work areas.

OTHER USE PRECAUTIONS: May be fatal if swallowed and enters airways. May irritate body tissues. Use with adequate ventilation. Avoid breathing vapor. Do not get in eyes, on skin, on clothing. Wash thoroughly after handling.

COMMENTS: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

CONTAMINATED GEAR: Take off contaminated clothing and wash it before reuse. Follow manufacturer's instructions for cleaning. If no such instructions for washables, use detergent and hot water.

Section 9: Physical and Chemical Properties

<p>Appearance: Translucent</p> <p>Viscosity: N/A</p> <p>PH Essentially neutral.</p> <p>Decomposition temperature: N/A</p> <p>Vapor Density: 2.1</p> <p>Freezing point: N/A</p> <p>Flash point: 0 F,-18 C</p> <p>Specific Gravity (SG) 0.979</p> <p>VOC g/L (Coating) 562.9</p>	<p>Odor: Typical lacquer solvent.</p> <p>Solubility: Ketones and hydrocarbons.</p> <p>Autoignition temperature: 180°C</p> <p>Vapor Pressure: 4.4 at 37.70 C</p> <p>Melting point: N/A</p> <p>Boiling range: 35°C</p> <p>Evaporation rate: Slower than butyl acetate.</p> <p>VOC g/L (Material) 531.9</p>
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Section 10: Stability and Reactivity

Stability:

Under normal conditions:

STABLE

Incompatibilities:

No decomposition if used and stored according to specifications.

Strong oxidizers.

Avoid heat, sparks, open flames and other ignition sources.

Chemical stability: Stable under recommended storage conditions.

Hazardous decomposition:

Carbon monoxide and unidentified organic compounds may be formed during combustion. There should be no decomposition if stored and applied as directed.

Hazardous decomposition products formed under fire conditions - Carbon oxides.

Carbon monoxide and carbon dioxide.

Hazardous polymerization will not occur.

Section 11: Toxicological Information

Mixture Toxicity

Oral Toxicity LD50: 4,822mg/kg

Inhalation Toxicity LC50: 991mg/L

Component Toxicity

67-63-0	Isopropyl Alcohol Oral LD50: 3,600 mg/kg (Mouse)
112926-00-8	Silicon Dioxide Oral LD50: 5,000 mg/kg (Rabbit)
64742-89-8	Solvent Naphtha, Light Aliphatic Dermal LD50: 4,000 mg/kg (Rat) Inhalation LC50: 3,400 ppm (Rat)
9004-70-0	Nitrocellulose Oral LD50: 5 g/kg (rat)
67-64-1	Acetone Inhalation LC50: 44 g/m3 (Mouse)
67-56-1	Methanol Oral LD50: 1,187 mg/kg (Rat) Inhalation LC50: 182 mg/L (Rat)
111-76-2	Ethylene Glycol Butyl Ether Oral LD50: 470 mg/kg (Rat)
85-68-7	Butyl Benzyl Phthalate Oral LD50: 2,330 mg/kg (Rat)
100-41-4	Ethyl Benzene Oral LD50: 3,500 mg/kg (Rat)

PRIMARY ROUTES OF ENTRY

Inhalation

Skin Contact

Target Organs: Kidneys, Liver, Lungs, Central Nervous System, Skin

Effects of Overexposure

Inhalation	Inhalation of high concentrations can produce central nervous system effects such as nausea, headache, dizziness, unconsciousness and coma. Causes respiratory tract irritation. May cause speech abnormalities
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Section 12: Ecological Information

ENVIRONMENTAL SUMMARY: Avoid uncontrolled releases of this material. Where spills are possible, comprehensive spill response plan should be developed and implemented. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

Component Ecotoxicity

Isopropyl Alcohol	(LC50): 100000 mg/l 96 hours [Fathead Minnow]. 64000 mg/l 96 hours [Fathead Minnow].
Silicon Dioxide	LC50 (Brachydanio rerio): > 10000 mg/l / 96 h Method OECD 203 EC50 Daphnia magna: > 10000 mg/l / 24 h Method OECD 202
Acetone	Environmental Data: Readily biodegradable. Ecotoxicological Information: Keep out of waterways.

Section 13: Disposal Considerations

DISPOSAL: If spilled, contain spilled material and dispose of contaminated absorbent, container and unused contents in accordance with local, state and federal regulations. Avoid release to the environment.

Section 14: Transport Information

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	Paint	1263	II	3
IATA	Paint	1263	II	3
IMDG/IMO	Paint	1263	II	3

Section 15: Regulatory Information

ACGIH (American Conference of Governmental Industrial Hygienists)

TWA (Time-Weighted Average)

OSHA (Occupational Safety and Health Administration)

NIOSH (National Institute for Occupational Safety and Health)

OSHA: Occupational Safety and Health Administration.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200

100-41-4 Ethyl Benzene 1 %

State of California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains the following chemicals which are listed by the State of California as carcinogenic or a reproductive toxin:

100-41-4 Ethyl Benzene 1 %

85-68-7 Butyl Benzyl Phthalate 2 %

1330-20-7 Xylene (o-,m-,p- isomers) 9 %

SARA TITLE III (Superfund Amendment and Reauthorization Act)

SARA 302 Components:

100-41-4 Ethyl Benzene 1 %

SARA 311/312 Hazards:

78-93-3 Methyl Ethyl Ketone 1 % Fire Hazard, Acute Health Hazard, Chronic Health Hazard

108-88-3 Toluene 1 % Fire Hazard, Acute Health Hazard, Chronic Health Hazard

100-41-4 Ethyl Benzene 1 % Fire Hazard, Chronic Health Hazard, Delayed Hazard

67-64-1 Acetone 4 % Fire Hazard, Acute Health Hazard, Chronic Health Hazard

1330-20-7 Xylene (o-,m-,p- isomers) 9 % Fire Hazard, Acute Health Hazard, Chronic Health Hazard

SARA 313 Components:

108-88-3 Toluene 1 %

100-41-4 Ethyl Benzene 1 %

1330-20-7 Xylene (o-,m-,p- isomers) 9 %

Section 16: Other Information

ABBREVIATIONS USED IN THE SDS:

NDA: No Data Available

Hazardous Material Information System (HMIS)

HEALTH	2
FLAMMABILITY	2
PHYSICAL HAZARD	0
PERSONAL PROTECTION	G

HMIS & NFPA Hazard Rating

Legend

* = Chronic Health Hazard

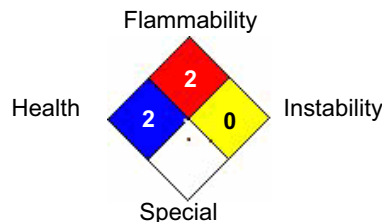
0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

National Fire Protection Association (NFPA)



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