

SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: AEROSOL #8321 LACQUER RFU

Product Code: L8321AERO

SUPPLIER:

G.J. Nikolas & Co., Inc.

2800 Washington Blvd.

Bellwood, IL 60104

Emergency telephone: 800-424-9300

24 hours

MANUFACTURER:

G.J. Nikolas & Co., Inc.

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Bellwood, IL 60104

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SECTION 2 - HAZARDS IDENTIFICATION

NEPA Ratings, risks phrases and suggested HMIS Hazards Categories:

GHS Ratings:

Flammable aerosol	2	Flammable aerosol class 2
Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: >= 2.3 < 4.0 or persistent inflammation
Eye corrosive	2A	Eye irritant: Subcategory 2A, Reversible in 21 days
Mutagen	1B	Known to produce heritable mutations in human germ cellsSubcategory 1B, Positive results: In vivo heritable germ cell tests in mammals, Human germ cell tests, In vivo somatic mutagenicity tests, combined with some evidence of germ cell mutagenicity
Reproductive toxin	1A	Based on human evidence
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

H221	Flammable gas
H261	In contact with water releases flammable gas
H280	Contains gas under pressure; may explode if heated
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation.
H340	May cause genetic defects.
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.
P264	WASH HANDS THOROUGHLY after handling.
P280	WEAR PROTECTIVE GLOVES/protective clothing/eye protection/face protection.
P281	USE PERSONAL PROTECTIVE EQUIPMENT as required.
P321	Specific treatment (see directions on this label)

P331 Do NOT induce vomiting.
P362 Take off contaminated clothing and wash before reuse
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302+P352 IF ON SKIN: Wash with soap and water.
P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P308+P313 IF exposed or concerned: Get medical advice/attention.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P370+P378 IN CASE OF FIRE: Use dry chemical (BC) or carbon dioxide (Co2) for extinction.
P405 Store locked up.
P403+P235 STORE IN A WELL VENTILATED PLACE. Keep cool.
P501 Dispose of contents/container in accordance with Local, State and Federal Regulations.

Signal Word: Danger



SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS number	Weight Concentration %
Acetone	67-64-1	30.00% - 40.00%
Ethyl acetate	141-78-6	10.00% - 20.00%
Toluene	108-88-3	10.00% - 20.00%
Isobutane	75-28-5	5.00% - 10.00%
Propane	74-98-6	5.00% - 10.00%
Methyl ethyl ketone	78-93-3	5.00% - 10.00%
Ethyl 3-ethoxypropanoate	763-69-9	1.00% - 5.00%
n-Butyl acetate	123-86-4	1.00% - 5.00%
Xylenes (o-, m-, p- isomers)	1330-20-7	1.00% - 5.00%
1-Butanol	71-36-3	1.00% - 5.00%
Ethyl alcohol	64-17-5	0.10% - 1.00%

SECTION 4 - FIRST AID MEASURES

INHALATION: Remove to FRESH air. If breathing is difficult, administer oxygen. If not breathing, give artificial respiration, preferably mouth-to-mouth. GET MEDICAL ATTENTION IMMEDIATELY.

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes while holding eyelids open. Tilt head to avoid contaminating unaffected eye. Get immediate medical attention. Remove contact lenses if possible.

SKIN CONTACT: Flush skin with plenty of water while removing contaminated clothing and shoes. Do not reuse clothing or shoes until cleaned. If irritation develops or persists, get medical attention. Discard contaminated leather articles such as shoes and belt. Do not apply oils or ointments unless ordered by the physician.

INGESTION: If fully conscious, give two glasses of water, then induce vomiting by touching back of throat with finger. Keep head below hips to prevent aspiration of liquid into the lungs. CALL A PHYSICIAN immediately. Never induce vomiting or give anything by mouth to an unconscious victim.

NOTE TO PHYSICIANS: There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the

clinical condition of the patient. Individuals experiencing breathing difficulties after exposure to vapor generated in aerosol applications should be observed for at least 48 hours in case delayed respiratory complications develop.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: -56 C (-69 F)

LEL: 1.0%

UEL: N/A

Flammable Limits: Highly flammable liquid and vapor (GHS Category 2)

Extinguishing Media: Alcohol Foam CO2 Dry Chemical Foam Water Fog

Unusual Fire and Explosion Hazards: Keep containers tightly closed. Isolate from heat, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Do not use when smoking or where electrical sparks or open flame is present.

Haz. Combust. Products: Burning can produce carbon-dioxide and/or carbon monoxide.

Fire Fighting: Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Fire Equipment: As in a fire, always wear self-contained breathing apparatus in pressure-demand (MSA/NIOSH approved or equivalent), and full protective gear.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

SPILL AND LEAK PROCEDURES:

Spill supervisor: Ensure cleanup personnel wear all appropriate Personal Protective Equipment (PPE), including respiratory protection. Remove all ignition sources. Keep nonessential personnel away from the contaminated area.

Small Spills: Absorb spilled liquid with sorbent pads, socks, or other inert material such as vermiculite, sand, or earth.

Large Spills: Avoid run-off into storm sewers and ditches that lead to waterways. Use only non-sparking tools and equipment. A vapor suppressing foam may be used. Approach the spill from upwind and pick up absorbent material and place it in a suitable container. Disposal should be in accordance with Local, State, and Federal Regulations.

SECTION 7 - HANDLING AND STORAGE

HANDLING PRECAUTIONS:

Wear all appropriate Personal Protective Equipment (PPE). Wear respiratory protection or ensure adequate ventilation at all times as vapors can accumulate in confined or poorly ventilated areas. Use the product in a manner which minimizes splashes and/or the creation of dust. Keep containers closed when not in use. Do not handle or store material near heat, sparks, open flames, or other sources of ignition. Store at room temperatures, i.e. 40 to 95 F (4 to 35 C).

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: GROUNDING: when transferring, fill stem and container must be grounded and bonded. Store in a cool dry area with ventilation suitable for storing materials shown in section II. Keep away from heat, sparks and open flame. Do not cut, weld, braze, solder, drill, grind or expose empty containers to heat, flame, sparks or other sources of ignition; they may explode and cause injury or death.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Acetone 67-64-1	1000 ppm TWA; 2400 mg/m ³ TWA	750 ppm STEL 500 ppm TWA	NIOSH: 250 ppm TWA; 590 mg/m ³ TWA
Ethyl acetate 141-78-6	400 ppm TWA; 1400 mg/m ³ TWA	400 ppm TWA	NIOSH: 400 ppm TWA; 1400 mg/m ³ TWA
Toluene 108-88-3	200 ppm TWA	20 ppm TWA	NIOSH: 100 ppm TWA; 375 mg/m ³ TWA 150 ppm STEL; 560 mg/m ³ STEL
Isobutane 75-28-5	Not Established	1000 ppm STEL	NIOSH: 800 ppm TWA; 1900 mg/m ³ TWA
Propane 74-98-6	1000 ppm TWA; 1800 mg/m ³ TWA	1000 ppm TWA (listed under Aliphatic hydrocarbon gases: Alkane C1-4)	NIOSH: 1000 ppm TWA; 1800 mg/m ³ TWA

Methyl ethyl ketone 78-93-3	200 ppm TWA; 590 mg/m3 TWA	300 ppm STEL 200 ppm TWA	NIOSH: 200 ppm TWA; 590 mg/m3 TWA 300 ppm STEL; 885 mg/m3 STEL
Ethyl 3-ethoxypropanoate 763-69-9	Not Established	Not Established	Not Established
n-Butyl acetate 123-86-4	150 ppm TWA; 710 mg/m3 TWA	200 ppm STEL 150 ppm TWA	NIOSH: 150 ppm TWA; 710 mg/m3 TWA 200 ppm STEL; 950 mg/m3 STEL
Xylenes (o-, m-, p- isomers) 1330-20-7	100 ppm TWA; 435 mg/m3 TWA	150 ppm STEL 100 ppm TWA	Not Established
1-Butanol 71-36-3	100 ppm TWA; 300 mg/m3 TWA	20 ppm TWA	NIOSH: 50 ppm Ceiling; 150 mg/m3 Ceiling
Ethyl alcohol 64-17-5	1000 ppm TWA; 1900 mg/m3 TWA	1000 ppm STEL	NIOSH: 1000 ppm TWA; 1900 mg/m3 TWA

ENGINEERING: Ensure processing (curing) ovens are properly vented to prevent the introduction of processing fumes into the work place. Use explosion proof equipment and good manufacturing practice.

Sufficient ventilation, in volume and pattern, should be provided to keep air contamination below current applicable OSHA permissible exposure limit or ACGHI'S TLV limit.

OTHER PRECAUTIONS: Provide respiratory protection against fumes generated during burning. Avoid prolonged contact with skin and breathing of vapors.

PROTECTIVE GEAR: Niosh/Osha approved respirator types suitable for materials in section II recommended. Approved airline type respirators or hoods recommended in confined areas. Wear protective gloves/clothing/eye/face as required.

CONTAMINATED GEAR: Take off immediately any contaminated clothing and wash it before reuse.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

This mixture typically exhibits the following properties under normal circumstances:

<p>Appearance Liquid dispersion</p> <p>Vapor Pressure: N/A</p> <p>Vapor Density Heavier than air</p> <p>SG 0.79</p> <p>Freezing point: Not Applicable</p> <p>Boiling range: 56 - 141°C</p> <p>Evaporation Rate Slower than ether</p> <p>Autoignition temperature: Not Applicable</p> <p>Viscosity: Not Applicable</p> <p>VOC: Regulatory 706.76 gr/lit</p> <p>VOC: Actual 383.15 gr/lit</p>	<p>Odor Solvent Odor</p> <p>Odor threshold: Not Applicable</p> <p>pH: Not Applicable</p> <p>Melting point: Not Applicable</p> <p>Solubility: Not Applicable</p> <p>Flash point: -56°C, -69°F</p> <p>Physical State Liquid</p> <p>Decomposition temperature: Not Applicable</p> <p>Boiling Point 56°C</p> <p>VOC: Regulatory 5.90 lb/gl</p> <p>VOC: Actual 3.20 lb/gl</p>
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SECTION 10 - STABILITY AND REACTIVITY

Reactivity: No specific test data related to reactivity available for this product or ingredients.

Chemical stability:
STABLE

Conditions to avoid: Avoid all sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. do not allow vapor to accumulate in low confined areas.

Incompatible materials: Reactive or incompatible with the following materials: Oxidizing materials

Hazardous decomposition products: This mixture is likely to exhibit the following combustion products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Hazardous polymerization will not occur.

SECTION 11- TOXICOLOGICAL INFORMATION

Mixture Toxicity

Oral Toxicity LD50: 3,416mg/kg

Inhalation Toxicity LC50: 47mg/L

Component Toxicity

141-78-6	Ethyl acetate Inhalation LC50: 1,500 ppm (Mouse)
108-88-3	Toluene Oral LD50: 636 mg/kg (Rat) Inhalation LC50: 13 mg/L (Rat)
75-28-5	Isobutane Inhalation LC50: 658 mg/L (Rat)
74-98-6	Propane Inhalation LC50: 658 mg/L (Rat)
763-69-9	Ethyl 3-ethoxypropanoate Oral LD50: 3,200 mg/kg (Rat)
123-86-4	n-Butyl acetate Inhalation LC50: 390 ppm (Rat)
1330-20-7	Xylenes (o-, m-, p- isomers) Oral LD50: 4,300 mg/kg (Rat)
71-36-3	1-Butanol Oral LD50: 790 mg/kg (Rat) Dermal LD50: 3,400 mg/kg (Rabbit)
64-17-5	Ethyl alcohol Inhalation LC50: 125 mg/L (Rat)

Toxicological Information: No data found

ROUTES OF ENTRY: Eye Contact, Ingestion, Inhalation, Skin Contact

Exposure to this material may affect the following organs:

Blood Eyes Kidneys Liver Central Nervous System Reproductive System
Skin Respiratory System

Effects of Overexposure

Carcinogenicity:

The following chemicals comprise 0.1% or more of this mixture and are listed and / or classified as carcinogens or potential carcinogens by NTP, IARC, OSHA.

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
108-88-3	Toluene	% - 20%	Toluene:

64-17-5	Ethyl alcohol	% - 1.0%	Ethyl alcohol: IARC: Human carcinogen OSHA: listed
75-28-5	Isobutane	% - 10%	Isobutane: EU REACH: Present (C) (containing >=0.1% Butadiene)

SECTION 12 - ECOLOGICAL INFORMATION

Ecological information: No data found.

Component Ecotoxicity

Acetone	96 Hr LC50 <i>Oncorhynchus mykiss</i> : 4.74 - 6.33 mL/L; 96 Hr LC50 <i>Pimephales promelas</i> : 6210 - 8120 mg/L [static]; 96 Hr LC50 <i>Lepomis macrochirus</i> : 8300 mg/L 48 Hr EC50 <i>Daphnia magna</i> : 10294 - 17704 mg/L [Static]; 48 Hr EC50 <i>Daphnia magna</i> : 12600 - 12700 mg/L
Ethyl acetate	96 Hr LC50 <i>Pimephales promelas</i> : 220 - 250 mg/L [flow-through]; 96 Hr LC50 <i>Oncorhynchus mykiss</i> : 484 mg/L [flow-through]; 96 Hr LC50 <i>Oncorhynchus mykiss</i> : 352 - 500 mg/L [semi-static] 48 Hr EC50 <i>Daphnia magna</i> : 560 mg/L [Static]
Toluene	96 Hr LC50 <i>Pimephales promelas</i> : 15.22 - 19.05 mg/L [flow-through] (1 day old) ; 96 Hr LC50 <i>Pimephales promelas</i> : 12.6 mg/L [static]; 96 Hr LC50 <i>Oncorhynchus mykiss</i> : 5.89 - 7.81 mg/L [flow-through]; 96 Hr LC50 <i>Oncorhynchus mykiss</i> : 14.1 - 17.16 mg/L [static]; 96 Hr LC50 <i>Oncorhynchus mykiss</i> : 5.8 mg/L [semi-static]; 96 Hr LC50 <i>Lepomis macrochirus</i> : 11.0 - 15.0 mg/L [static]; 96 Hr LC50 <i>Oryzias latipes</i> : 54 mg/L [static]; 96 Hr LC50 <i>Poecilia reticulata</i> : 28.2 mg/L [semi-static]; 96 Hr LC50 <i>Poecilia reticulata</i> : 50.87 - 70.34 mg/L [static] 48 Hr EC50 <i>Daphnia magna</i> : 5.46 - 9.83 mg/L [Static]; 48 Hr EC50 <i>Daphnia magna</i> : 11.5 mg/L 96 Hr EC50 <i>Pseudokirchneriella subcapitata</i> : >433 mg/L; 72 Hr EC50 <i>Pseudokirchneriella subcapitata</i> : 12.5 mg/L [static]
Methyl ethyl ketone	96 Hr LC50 <i>Pimephales promelas</i> : 3130 - 3320 mg/L [flow-through] 48 Hr EC50 <i>Daphnia magna</i> : >520 mg/L; 48 Hr EC50 <i>Daphnia magna</i> : 5091 mg/L; 48 Hr EC50 <i>Daphnia magna</i> : 4025 - 6440 mg/L [Static]
Ethyl 3-ethoxypropanoate	96 Hr LC50 <i>Pimephales promelas</i> : 62 mg/L [static] 48 Hr EC50 <i>Daphnia magna</i> : 970 mg/L
n-Butyl acetate	96 Hr LC50 <i>Lepomis macrochirus</i> : 100 mg/L [static]; 96 Hr LC50 <i>Pimephales promelas</i> : 17 - 19 mg/L [flow-through] 72 Hr EC50 <i>Desmodesmus subspicatus</i> : 674.7 mg/L
Xylenes (o-, m-, p- isomers)	96 Hr LC50 <i>Pimephales promelas</i> : 13.4 mg/L [flow-through]; 96 Hr LC50 <i>Oncorhynchus mykiss</i> : 2.661 - 4.093 mg/L [static]; 96 Hr LC50 <i>Oncorhynchus mykiss</i> : 13.5 - 17.3 mg/L; 96 Hr LC50 <i>Lepomis macrochirus</i> : 13.1 - 16.5 mg/L [flow-through]; 96 Hr LC50 <i>Lepomis macrochirus</i> : 19 mg/L; 96 Hr LC50 <i>Lepomis macrochirus</i> : 7.711 - 9.591 mg/L [static]; 96 Hr LC50 <i>Pimephales promelas</i> : 23.53 - 29.97 mg/L [static]; 96 Hr LC50 <i>Cyprinus carpio</i> : 780 mg/L [semi-static]; 96 Hr LC50 <i>Cyprinus carpio</i> : >780 mg/L; 96 Hr LC50 <i>Poecilia reticulata</i> : 30.26 - 40.75 mg/L [static] 48 Hr EC50 water flea: 3.82 mg/L; 48 Hr LC50 <i>Gammarus lacustris</i> : 0.6 mg/L

1-Butanol	96 Hr LC50 Pimephales promelas: 1730 - 1910 mg/L [static]; 96 Hr LC50 Pimephales promelas: 1740 mg/L [flow-through]; 96 Hr LC50 Lepomis macrochirus: 100000 - 500000 µg/L [static]; 96 Hr LC50 Pimephales promelas: 1910000 µg/L [static] 48 Hr EC50 Daphnia magna: 1983 mg/L; 48 Hr EC50 Daphnia magna: 1897 - 2072 mg/L [Static] 96 Hr EC50 Desmodemus subspicatus: >500 mg/L; 72 Hr EC50 Desmodemus subspicatus: >500 mg/L
Ethyl alcohol	96 Hr LC50 Oncorhynchus mykiss: 12.0 - 16.0 mL/L [static]; 96 Hr LC50 Pimephales promelas: >100 mg/L [static]; 96 Hr LC50 Pimephales promelas: 13400 - 15100 mg/L [flow-through] 48 Hr LC50 Daphnia magna: 9268 - 14221 mg/L; 48 Hr EC50 Daphnia magna: 2 mg/L [Static]

SECTION 13 - DISPOSAL CONSIDERATIONS

Material that cannot be saved for recovery or recycling should be managed in an appropriate and approved waste facility. State and local disposal regulations may differ from federal disposal definitions found in 40 CFR 261.3. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION 14 - TRANSPORT INFORMATION

This material is classified for transport as follows:

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
DOT	AEROSOL, LTD QUANTITY			
IATA	UN1950, AEROSOL, FLAMMABLE	1950		2.1
IMDG	UN1950, AEROSOL, FLAMMABLE	1950		2.1

SECTION 15 - REGULATORY INFORMATION

Additional regulatory listings, where applicable.

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:

- 108-88-3 Toluene Carcinogen, Carcinogen
- 64-17-5 Ethyl alcohol Carcinogen, Carcinogen

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

This product contains the following substances subject to the reporting requirements of Section 313 of Title II of the Superfund Amendments and Reauthorization Act of 1986 and CFR Part 40

- 108-88-3 Toluene
- 1330-20-7 Xylenes (o-, m-, p- isomers)
- 71-36-3 1-Butanol

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
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EU Risk Phrases

R10: Flammable

Safety Phrase

S16: Keep away from sources of ignition - No smoking

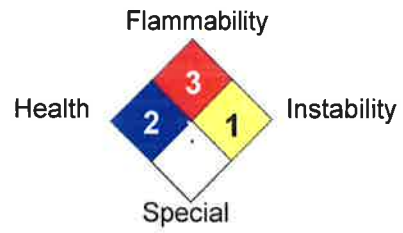
SECTION 16 - OTHER INFORMATION

Hazardous Material Information System (HMIS)

National Fire Protection Association (NFPA)

HEALTH	2
FLAMMABILITY	3
PHYSICAL HAZARD	1
PERSONAL PROTECTION	I

HMIS & NFPA Hazard Rating Legend
 * = Chronic Health Hazard
 0 = INSIGNIFICANT
 1 = SLIGHT
 2 = MODERATE
 3 = HIGH



The information contained on this SDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.

Reviewer Revision

Date Prepared: 3/6/2020