

SAFETY DATA SHEET

SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

Product Name: CLEAR LACQUER Product Code: CN-L1439

Trade Name: LACQUER

THE EGYPTIAN LACQUER MANUFACTURING COMPANY
113 FORT GRANGER DRIVE
FRANKLIN, TN 37064

EMERGENCY TELEPHONE NUMBER

Chemtrec : 1-800-424-9300

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SECTION 2: HAZARDS IDENTIFICATION

GHS Ratings:

Flammable liquid	2	Flash point < 23°C and initial boiling point > 35°C (95°F)
Inhalation Toxicity	Acute Tox. 3	Gases>500+<=2500ppm, Vapors>2+<=10mg/l, Dusts&mists>0.5+<=1mg/l
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
Carcinogen	2	Limited evidence of human or animal carcinogenicity
Reproductive toxin	2	Human or animal evidence possibly with other information
Aspiration hazard	1	Aspiration Toxicity Category 1: Known (regarded)- human evidence - hydrocarbons with kinematic viscosity ? 20.5 mm2/s at 40° C.

GHS Hazards

H225	Highly flammable liquid and vapour
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H319	Causes serious eye irritation
H331	Toxic if inhaled
H351	Suspected of causing cancer
H361	Suspected of damaging 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, lighting, ventilating equipment
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge

P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash skin thoroughly after handling
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
P311	Call a POISON CENTER or doctor/physician
P321	Specific treatment (see ... 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
P304+P340	IF INHALED: 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
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 ... for extinction
P405	Store locked up
P403+P233	Store in a well ventilated place. Keep container tightly closed
P403+P235	Store in a well ventilated place. Keep cool
P501	Dispose of contents/container in accordance to licensed waste handling facility.

Signal Word: Danger**SECTION 3: COMPOSITION INFORMATION ON INGREDIENTS**

Chemical Name	CAS number	Weight Concentration %
TOLUENE	108-88-3	25.72%
CELLULOSE NITRATE	9004-70-0	13.12%
XYLENES	1330-20-7	12.96%
2-PROPANOL	67-63-0	11.97%
BUTYL ACETATE	123-86-4	9.72%
ETHYLENE GLYCOL BUTYL ETHER	111-76-2	6.71%
4-METHYL-2-PENTANONE	108-10-1	5.95%
ETHYLENE GLYCOL MONOPROPYL ETHER	2807-30-9	3.37%
ACETONE	67-64-1	2.46%

SECTION 4: FIRST AID MEASURES

INHALATION : Move to fresh air. If breathing stops, provide artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

EYE CONTACT : Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

SKIN CONTACT : Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention immediately. Wash contaminated clothing before reuse. Thoroughly clean contaminated clothes.

INGESTION : If swallowed, do not induce vomiting. Seek immediate medical attention. Call a physician, hospital

emergency room, or poison control center immediately. Never give anything by mouth to an unconscious person.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point: -17 C (1 F)

LEL: 1.00

UEL: 13.00

EXTINGUISHING MEDIA : Water spray. Dry chemical. Carbon Dioxide. Alcohol foam.

FIRE FIGHTING INSTRUCTIONS : Self-contained respiratory protection should be provided for fire fighters fighting fires in buildings or confined areas. Storage containers exposed to fire should be kept cool with water spray to prevent pressure build-up. Stay away from heads of containers that have been exposed to intense heat or flame.

FIRE EQUIPMENT : Do not enter fire area without proper protective equipment, including respiratory protection. Wear self-contained breathing apparatus and pro

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPILL / LEAK PROCEDURES : Vapors may cause flash fire or ignite explosively. Clean up: Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind, out of low areas, and ventilate closed spaces before entering. Shut off ignition sources; keep flares, smoking or flames out of hazard area. Use non-sparking tools. Use proper bonding and grounding methods for all equipment and processes. Keep out of waterways and bodies of water. Be cautious of vapors collecting in small enclosed spaces, sewers, low lying areas, confined spaces, etc.

SMALL SPILLS : Take up with sand, earth or other noncombustible absorbent material and place in a plastic container where applicable.

LARGE SPILLS : Dike far ahead of spill for later disposal.

SECTION 7: HANDLING AND STORAGE

HANDLING PRECAUTIONS : Do not use in small enclosed spaces, such as basements and bathrooms. Vapors can accumulate and explode if ignited. Avoid breathing mists or vapors. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Use only with adequate ventilation. Wash thoroughly after handling. Minimize exposure to air.

STORAGE REQUIREMENTS : Keep container tightly closed and in a well-ventilated place. Store away from heat and light.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
TOLUENE 108-88-3	TWA-100 ppm -375 mg/m3 STEL-150 ppm -560 mg/m3	TWA-20 ppm	Not Established
CELLULOSE NITRATE 9004-70-0	OEL's not established	OEL's not established	Not Established
XYLENES 1330-20-7	STEL-150 ppm 655 mg/m3 TWA-100 ppm 435 mg/m3 TWA-100 ppm 435 mg/m3 STEL-125 ppm 545 mg/m3	TWA-100 ppm STEL-150 ppm TWA-20 ppm	Not Established
2-PROPANOL 67-63-0	TWA 980 mg/m3 400 ppm STEL-500 ppm 1225 mg/m3	STEL 400 ppm TWA 200 ppm	Not Established
BUTYL ACETATE 123-86-4	TWA-150 ppm 710 mg/m3 STEL-200 ppm 950 mg/m3	TWA-150ppm STEL-200 ppm	Not Established

ETHYLENE GLYCOL BUTYL ETHER 111-76-2	TWA-50 ppm 240 mg/m ³	TWA-20 ppm	Not Established
4-METHYL-2-PENTANONE 108-10-1	TWA-50 ppm 205 mg/m ³	STEL-75 ppm TWA-20 ppm	Not Established
ETHYLENE GLYCOL MONOPROPYL ETHER 2807-30-9	Not Established	Not Established	Not Established
ACETONE 67-64-1	TWA-1000 ppm 2400 mg/m ³ STEL-1000 ppm 2400 mg/m ³	TWA-500 ppm STEL-750 ppm	Not Established

VENTILATION : Use only with adequate ventilation to prevent build-up of vapors. Open all windows and doors. Use only with a cross ventilation of moving fresh air across the work area. If strong odor is noticed or you experience slight dizziness, headache, nausea, or eye-watering - Stop - ventilation is inadequate. Leave area immediately.

Various application methods can dictate use of additional protective safety equipment, such as impermeable aprons, etc., to minimize exposure.

HAND PROTECTION :

Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or AS T F1296. Suggested glove materials are: Natural rubber ("latex"), Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl .

EYE PROTECTION : Eye protection, including both chemical splash goggles and face shield, must be worn when possibility exists for eye contact due to spraying

SKIN PROTECTION: Wear suitable protective clothing.

RESPIRATORY EQUIPMENT : Where excessive vapor, mist, or dust may result, use NIOSH approved respiratory protection equipment .

CONTAMINATED GEAR : Before reuse, thoroughly clean any clothing or protective equipment that has been contaminated by prior use.

Discard any clothing or other protective equipment that cannot be decontaminated, such as gloves or shoes.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<p>Appearance: Liquid</p> <p>Vapor Pressure: 185 mmHg</p> <p>Vapor Density: 3.5</p> <p>Density: 0.90</p> <p>Freezing point: -95 C</p> <p>Boiling range: 56 - 236°C</p> <p>Evaporation rate: 7.7</p> <p>Explosive Limits: 1% - 13%</p> <p>Autoignition temperature: 238°C</p> <p>Grams VOC less water: N/A</p> <p>% Volume Solids 13.56</p>	<p>Odor: Solvent</p> <p>Odor threshold: N/A</p> <p>pH: N/A</p> <p>Melting point: -95 C</p> <p>Solubility: Insoluble</p> <p>Flash point: 1°F,-17°C</p> <p>Flammability: Flammable</p> <p>Partition coefficient (n- octanol/water): N/A</p> <p>Decomposition temperature: N/A</p> <p>% Weight Solids 19.05</p> <p>% Weight Volatile (VOC) 80.95</p>
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SECTION 10: STABILITY AND REACTIVITY

STABLE

INCOMPATIBILITIES : Incompatible with strong oxidizing agents, strong caustics, hydrogen peroxide, and nitrates**HAZARDOUS DECOMPOSITION** : Decomposition may produce carbon monoxide; carbon dioxide; formaldehyde; and unidentified organic compounds in black smoke.

Hazardous polymerization will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION**Mixture Toxicity**

Inhalation Toxicity LC50: 8mg/L

Component Toxicity

123-86-4	BUTYL ACETATE Inhalation LC50: 1,800 ppm (rat)
111-76-2	ETHYLENE GLYCOL BUTYL ETHER Oral LD50: 1,414 mg/kg (guinea pig) Dermal LD50: 2,000 mg/kg (guinea pig)
108-10-1	4-METHYL-2-PENTANONE Oral LD50: 2,080 mg/kg (rat) Inhalation LC50: 16 mg/m3 (rat)
2807-30-9	ETHYLENE GLYCOL MONOPROPYL ETHER Oral LD50: 3,089 mg/kg (RAT) Dermal LD50: 1,337 mg/kg (RABBIT) Inhalation LC50: 1,530 ppm

PRIMARY ROUTES OF ENTRY :

Inhalation	Skin Contact	Eye Contact	Ingestion
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PRIMARY TARGET ORGANS :

Eyes	Kidneys	Liver	Lungs	Reproductive System	Skin
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Effects of Overexposure

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
None			N/A

INHALATION ACUTE EXPOSURE EFFECTS : Vapor harmful. May cause dizziness; headache; watering of eyes; irritation of respiratory tract; weakness; drowsiness; nausea; numbness in fingers, arms and legs; depression of central nervous system; loss of appetite; fatigue; hallucinations; light headedness; visual disturbances; giddiness and intoxication; sleepiness; cough and dyspnea; cold, clammy extremities; diarrhea; vomiting; dilation of pupils; spotted vision. Severe overexposure may cause convulsions; unconsciousness; coma; and death. Intentional misuse of this product by deliberately concentrating and inhaling can be harmful or fatal.

INGESTION ACUTE EXPOSURE EFFECTS : May be fatal. May cause dizziness; headache; nausea; vomiting; burning sensation in mouth, throat, and stomach; loss of coordination; depression of the central nervous system; narcosis; stupor; gastrointestinal irritation; liver, kidney, and heart damage; diarrhea; loss of appetite; coma and death. May produce symptoms listed under inhalation.

SKIN CONTACT ACUTE EXPOSURE EFFECTS : May be absorbed through the skin. May cause Irritation; numbness in the fingers and arms; drying of skin; and dermatitis. May cause increased severity of symptoms listed under inhalation.

EYE CONTACT ACUTE EXPOSURE EFFECTS : This material is an eye irritant. May cause irritation; burns; conjunctivitis of eyes; and corneal ulcerations of the eye. Vapors may irritate eyes.

INGESTION ACUTE EXPOSURE EFFECTS : Reports have associated repeated and prolonged overexposure to solvents with neurological and other physiological damage. Prolonged or repeated contact may cause dermatitis. Prolonged skin contact may result in absorption of a harmful amount of this material. May cause conjunctivitis; gastric disturbances; insomnia; dizziness; headache; weakness; fatigue; nausea; heart palpitations; skin irritation; numbness in hands and feet; permanent central nervous system changes; some loss of memory; pancreatic damage; giddiness; visual impairment or blindness; kidney or liver damage; and death. May cause symptoms listed under inhalation.

SECTION 12: ECOLOGICAL INFORMATION

Component Ecotoxicity

TOLUENE	<p>Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - 7.63 mg/l - 96 h NOEC - Pimephales promelas (fathead minnow) - 5.44 mg/l - 7 d Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) - 8.00 mg/l - 24 h Immobilization EC50 - Daphnia magna (Water flea) - 6 mg/l - 48 h Toxicity to algae EC50 - Chlorella vulgaris (Fresh water algae) - 245.00 mg/l - 24 h EC50 - Pseudokirchneriella subcapitata (green algae) - 10.00 mg/l - 24 h</p>
2-PROPANOL	<p>Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 9,640.00 mg/l - 96 h Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) - 5,102.00 mg/l - 24 h Immobilization EC50 - Daphnia magna (Water flea) - 6,851 mg/l - 24 h Toxicity to algae EC50 - Desmodesmus subspicatus (green algae) - > 2,000.00 mg/l - 72 h EC50 - Algae - > 1,000.00 mg/l - 24 h</p>
BUTYL ACETATE	<p>Toxicity to fish LC50 - Lepomis macrochirus (Bluegill) - 100 mg/l - 96 h Toxicity to daphnia and EC50 - Daphnia magna (Water flea) - 72.8 - 205.0 mg/l - 24 h other aquatic invertebrates EC50 - Daphnia - 44 mg/l - 48 h Toxicity to algae EC50 - Desmodesmus subspicatus (Scenedesmus subspicatus) - 674.7 mg/l - 72 h</p>
ETHYLENE GLYCOL BUTYL ETHER	<p>Toxicity to fish LC50 - other fish - 220 mg/l - 96 h Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) - 1,815 mg/l - 24 h</p>
4-METHYL-2-PENTANONE	<p>Toxicity to fish LC0 - Leuciscus idus melanotus - 480 mg/l - 48 h Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) - 1,550 - 3,623 mg/l - 24 h Toxicity to algae EC50 - Desmodesmus subspicatus (green algae) - 980 - 2,000 mg/l - 48 h</p>
ETHYLENE GLYCOL MONOPROPYL ETHER	<p>Toxicity to fish static test LC50 - Pimephales promelas (fathead minnow) - > 5,000 mg/l - 96 h Toxicity to daphnia and other aquatic invertebrates static test LC50 - Daphnia (water flea) - > 5,000 mg/l - 48 h Toxicity to algae static test EC50 - Pseudokirchneriella subcapitata - > 100 mg/l - 72 h (OECD Test Guideline 201)</p>
ACETONE	<p>Toxicity to fish LC50 - Oncorhynchus mykiss (rainbow trout) - 5,540 mg/l - 96 h Toxicity to daphnia and LC50 - Daphnia magna (Water flea) - 8,800 mg/l - 48 h</p>

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD : Dispose of in accordance with all applicable local, state, and federal regulations.

SECTION 14: TRANSPORT INFORMATION

<u>AGENCY</u>	<u>UN NUMBER</u>	<u>PROPER NAME</u>	<u>HAZARD CLASS</u>	<u>PACKAGING GROUP</u>
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US DOT	1263	PAINT FLAMMABLE LIQUID		
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SECTION 15: REGULATORY INFORMATION

CALIFORNIA PROPOSITION 65 : This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity.

Right-to-know for NJ, PA & MA:

108-88-3 TOLUENE

Right-to-know for NJ, PA & MA:

9004-70-0 CELLULOSE NITRATE

Right-to-know for NJ, PA & MA:

1330-20-7 XYLENES

Right-to-know for NJ, PA & MA:

67-63-0 2-PROPANOL

Right-to-know for NJ, PA & MA:

123-86-4 BUTYL ACETATE

Country

Regulation

All Components Listed

SECTION 16: OTHER INFORMATION

Hazardous Material Information System (HMIS)

HEALTH	<input type="text" value="2"/>
FLAMMABILITY	<input type="text" value="3"/>
PHYSICAL HAZARD	<input type="text" value="2"/>
PERSONAL PROTECTION	<input type="text" value="X"/>

HMIS & NFPA Hazard Rating

Legend

* = Chronic Health Hazard

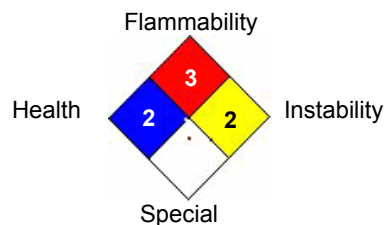
0 = INSIGNIFICANT

1 = SLIGHT

2 = MODERATE

3 = HIGH

National Fire Protection Association (NFPA)



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he above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide.

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he information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It

Reviewer Revision

Date Prepared: 1/27/2017