

# SAFETY DATA SHEET



DATE PRINTED	6/27/2017
SDS REF. No :	FL-300

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** FLAT LAQUER CLEAR RTS  
**Product Code:** FL-300

**Manufacturer**  
LANCO MFG. CORP.  
URB. APONTE # 5

**24 HR. Emergency Telephone Number**  
**CHEMTREC (US Transportation):** 1 (800)424-9300  
**CHEMTREC (International Transportation):** 1(703)527-3887

SAN LORENZO, PUERTO RICO, 00754  
787-736-4221

## 2. HAZARDS IDENTIFICATION

### Classification (substance or mixture):

Category 2 (Flammable liquid)  
Category 4 Acute Toxicity, Inhalation  
Category 2 Skin Corrosion / Irritation  
Category 2 Serious damage/eyes irritation  
Category 1 Germ Cell Mutagenicity  
Category 2 Toxic to Reproduction  
Category 3 Target organ Systemic Toxicity (single exposure)  
Category 2 Target organ Systemic Toxicity (Repeated exposure)  
Category 1 Aspiration toxicity

### GHS Label Elements:



**Signal Word:** Danger

### Hazard Statements:

H370 Causes damage to organs .  
H361 Suspected of damaging fertility or the unborn child .  
H340 May cause genetic defects  
H319 Causes serious eye irritation.  
H315 Causes skin irritation.  
H304 May be fatal if swallowed and enters airways.  
H225 Highly flammable liquid and vapor.

H373 May cause damage to organs through prolonged or repeated exposure.  
H332 Harmful if inhaled.

**Precautionary Statement:**

- P281 Use personal protective equipment as required.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P271 Use only outdoors or in a well-ventilated area.
- P270 Do not eat, drink or smoke when using this product.
- P264 Wash hands thoroughly after handling.
- P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
- P260 Do not breathe dust/fume/gas/mist/vapors/spray.
- P243 Take precautionary measures against static discharge.
- P242 Use only non-sparking tools.
- P241 Use explosion-proof electrical/ventilating/lighting equipment.
- P240 Ground/bond container and receiving equipment.
- P202 Do not handle until all safety precautions have been read and understood.
- P201 Obtain special instructions before use.
- P233 Keep container tightly closed.
- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	Weight %	CAS Number
*Methylbenzene	40% to 50%	108-88-3
*2 Butanone	10% to 20%	67-64-1
Modified Rosin Ester	10% to 20%	PROPRIETARY
Cellulose Nitrate	0.05% to 10%	9004-70-0
*Glycol Ether EB	0.05% to 10%	111-76-2
*Methyl Isobutyl Ketone	0.05% to 10%	108-10-1
*Butyl Benzyl Phthalate	0.05% to 10%	85-68-7
*Methylbenzene	0.05% to 10%	108-88-3
*Ethylbenzene	0.05% to 10%	100-41-4

\* Toxic chemical subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

**4. FIRST AID MEASURES**

**Eyes:** In case of eye contact, flush with large amount of water for at least 15 minutes. Get medical assistant.

**Skin:** Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persist.

**Ingestion:** Do not induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

**Inhalation:** If affected, remove from exposure. Restore breathing. Keep warm and quiet.

**Notes To Physician:** Treat symptomatically.

## 5. FIREFIGHTING MEASURES

**Suitable Extinguishing Media:** Carbone Dioxide, Dry Chemical, Foam, Water Fog.

**Unsuitable Extinguishing Media:** None

**Specific Hazard In Case Of Fire:** Closed containers may explode when exposed to extreme heat. Vapor may form explosive mixture with air. No unusual fire or explosion hazard noted. keep containers closed when not in use.

**Special Protective Equipment And Precaution For Fire Fighters:** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus should be used. Water may be used to cool closed containers to prevent pressure build-up an possible auto-ignition or explosion when exposed to extreme heat.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Avoid contact with skin, eyes and clothing. Ensure adequate ventilation.

**Environmental Precautions:** Do not allow spill to enter drains or waterways. Use good personal hygiene practices. Wash hands before eating, drinking, or smoking. Promptly remove soiled clothing and wash thoroughly before reuse.

**Method And Materials For Containment And Cleaning Up:** Eliminate ignition source, provide good ventilation, dike spill area and add absorbent earth or sawdust to spilled liquid. Thoroughly wet with water and mix.

Collect absorbent/absorbent water/spilled liquid mixture into metal containers and add enough water to cover. Consult local state and federal hazardous regulation before disposing into approved hazardous waste landfills. Obey relevant law.

## 7. HANDLING AND STORAGE

**Precaution For Safe Handling:** Avoid contact with skin, eyes and clothing. Avoid breathing vapors, spray mist or sanding dust. In case of insufficient ventilation, wear suitable respiratory equipment.

**Conditions For Safe Storage, Including Incompatibilities:** Handle containers carefully to prevent damage and spillage. Incompatible materials: Alkaline materials, strong acid and oxidizing materials.

Store in original containers at temperatures between 5 °C and 25 °C. Keep away from heat, sparks and open flame. Protect from freezing and direct sunlight. Keep containers tightly closed. Ensure that waste and contaminated materials are collected and removed from the work area as soon as possible in a suitably labeled container.

## 8. EXPOSURE CONTROLS\PERSONAL PROTECTION

### Exposure Limits

Components	CAS	Limits
Methylbenzene	108-88-3	ACGIH TWA 20 ppm, OSHA TWA 200 ppm OSHA Z1 TWA 100 ppm, STEAL 150ppm NIOSH TWA 100ppm, STEAL 150ppm
2 Butanone	67-64-1	OSHA TWA : 1000ppm , STEAL 1000ppm ACGIH TWA 500 ppm, STEL: 750ppm NIOSH TWA 250ppm
Modified Rosin Ester	PROPRIETARY	OSHA PEL 5 mg/m3 Respirable fraction, 15 mg/m3 Total dust ACGIH TWA 3 mg/m3 Respirable particles, 10 mg/m3 Inhalable particles
Glycol Ether EB	111-76-2	OSHA PEL: 25 ppm , ACGIH TLV: 20ppm NIOSH TWA 24 mg/m3 40hrs
Methyl Isobutyl Ketone	108-10-1	ACGIH STEL 75 ppm TWA 20ppm OSHA STEL 75 ppm OSHA TWA 50ppm NIOSH STEL 75 ppm TWA

		50ppm
Butyl Benzyl Phthalate	85-68-7	ACGIH TWA 5 mg/m <sup>3</sup> , OSHA TWA 5mg/m <sup>3</sup>
Methylbenzene	108-88-3	OSHA PEL 100 ppm ACGIH TLV 50 ppm
Ethylbenzene	100-41-4	OSHA STEL 125 ppm OSHA PEL 100 ppm

**Engineering Controls:** Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such system are not effective wear suitable personal protective equipment, which performs satisfactorily and meet OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.

**Personal Protective Equipment:**

**Respiratory Protection:** In case of insufficient ventilation wear suitable respiratory equipment.

**Eyes Protection:** Safety glasses with side-shields.

**Skin Protection:** Chemical -resistance gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.

**Work Hygienic Practices:** Ensure shower and eyewash station are available. Use good personal hygiene practices. Wash hand before eating, drinking. Promptly remove soiled clothing and wash thoroughly before reuse.

**Other Use Precautions:** None

**Comments:** No information available.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid

**Color:** Clear

**Flash Point And Method:** < 20 °F Set-a-flash

**Auto-Ignition Temperature:** Not available

**Boiling Point/Range:** 133 - 340 °F

**Melting Point:** Not available

**Vapor Pressure:** Not available

**Vapor Density:** Heavier than Air

**Solubility in Water:** Insoluble

**Odor:** Solvent odor

**Upper /Lower Flammable Limits:** Not applicable TO No information available.

**Relative Density (g/cm<sup>3</sup>):** 0.934

**Evaporation Rate:** Slower than Ether

**Flammability (Solids, Gas):** Not available

**Partition Coefficient:** Not available

**pH:** Not applicable

**Decomposition Temperature:** Not available

**Coating VOC (gm/l):** 651

**Material VOC (gm/l):** 555

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable

**Possibility Of Hazardous Reactions:** None under normal condition of use.

**Conditions To Avoid:** Poor ventilation.

**Materials To Avoid:** Keep away from the following materials to prevent strong exothermic reaction: oxidizing agents, strong alkalis, strong acids.

**Hazardous Decomposition Products:** Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

## 11. TOXICOLOGICAL INFORMATION

**Signs And Symptoms Of Overexposure:** No information available.

**Acute Effects:**

**Eye Contact:** Cause serious eyes irritation.

**Skin Contact:** Substance may cause slight skin irritation. Prolonged or repeated contact may cause skin irritation. Allergic reactions are possible.

**Inhalation:** Harmful if inhaled. High vapor concentration is irritating to the eyes, nose, throat and lungs. Prolonged or excessive inhalation may cause respiratory tract irritation.

**Ingestion:** Aspiration hazard if swallowed; can enter lungs and cause damage. Harmful if swallowed.

**Target Organ:** No information available.

**Chronic Effects:** No information available.

**Toxicity Values:** The acute effects of this product have not been tested. Data on individual components are tabulated below.

#### TOXICOLOGICAL INFORMATION

2 Butanone(67-64-1)	
LC50 Rat inhalation	50100 mg/m <sup>3</sup> , 8hrs
LD50 guinea pig	7426 mg/kg
LD50 Rat oral	5800 mg/kg
Butyl Benzyl Phthalate(85-68-7)	
LC50 Rat Inhalation	>6.7 mg/l 4Hrs.
LD50 Rabbit Dermal	>10000 mg/kg
LD50 Rat Oral	20400 mg/kg
Cellulose Nitrate(9004-70-0)	
LD50 Oral Rat	>5 g/kg
Glycol Ether EB(111-76-2)	
LC50 Rat Inhalation	450 ppm 4 hrs.
Methyl Isobutyl Ketone(108-10-1)	
LC50 Rat inhalation	8.2-16.4 mg/l
LD50 Rat Dermal	>2000 mg/kg
LD50 Rat Oral	2080 mg/kg

Methylbenzene(108-88-3)	
LD50 Rabbit. Dermal	12124 mg/kg
LD50 Rabbit. Dermal	12196 mg/kg
LD50 Rat Inhalation	12500-28800 mg/m <sup>3</sup> , 4 hrs.
LD50 Rat Inhalation	8000 ppm 4 hrs.
LD50 Rat. Oral	>5580 mg/kg
LD50 Rat. Oral	2600-7500 mg/kg

**CARCINOGENICITY:** The information below indicates whether each agency has listed any ingredient as a carcinogen:

Components	CAS	Carcinogen (IARC)
Methylbenzene	108-88-3	3
Methyl Isobutyl Ketone	108-10-1	2B
Methylbenzene	108-88-3	3
Ethylbenzene	100-41-4	2B

## 12. ECOLOGICAL INFORMATION

**Persistence And Degradability:** No information available.

**Bio-Accumulative Potential:** No information available.

**Mobility In Soil:** No information available.

**Other Adverse Effects:** No information available.

**Eco-toxicological Other Information:** No information available.

### ECOLOGICAL INFORMATION

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## 13. DISPOSAL CONSIDERATIONS

**Disposal Method:** Consult with the US EPA Guidelines listed in 40 CFR Part 261.3



for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and /or state and local guidelines.

#### 14. TRANSPORT INFORMATION

	DOT	IMDG	AIR (IATA)
<b>UN Number</b>	UN1263	1263	1263
<b>UN Proper Shipping Name</b>	Paint, Flammable liquid	Paint	Paint
<b>Hazard Class</b>	3	3	3
<b>Packing Group</b>	II	II	II
<b>Environmental Hazard</b>	No	No	No
<b>Marine Pollutant (Y/N)</b>	Yes	Yes	Yes

#### 15. REGULATORY INFORMATION

##### U.S. Regulations:

##### U.S. SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

**311/312 Hazard Categories:** Hazardous Information

**Fire:** Yes

**Pressure Generating:** No

**Reactivity:** No    **Acute:** Yes    **Chronic:** Yes

**313 Reportable Ingredients:** This product contains a chemical or chemicals which are subject to the reporting requirements of section 313 of title 40 CFR 372.

##### 313 REPORTABLE INGREDIENTS

Chemical Name	Weight %	CAS
*Methylbenzene	45% to 50%	108-88-3
*2 Butanone	10% to 15%	67-64-1
*Glycol Ether EB	0.05% to 10%	111-76-2
*Methyl Isobutyl Ketone	0.05% to 10%	108-10-1
*Butyl Benzyl Phthalate	0.05% to 10%	85-68-7
*Methylbenzene	0.05% to 10%	108-88-3
*Ethylbenzene	0.05% to 10%	100-41-4

##### 302/304 Emergency Planning

**Emergency Plan:** No

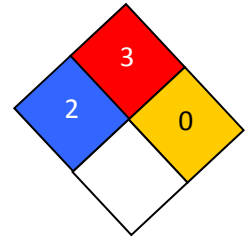
**State Regulations:** No

**Other Govt. Regulations:** No

## 16. OTHER INFORMATION

HMIS RATING	
Health :	2
Flammability :	3
Reactivity :	0
Personal Protection :	H

### NFPA CODES



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**Revision Indicator:** None

**Manufacturer Disclaimer:** The information contained herein is based on data believed by this company to be accurate, but we do not assume any liability for its accuracy. We neither suggest nor guaranteed that any hazards mentioned are the only ones which exist. The manner in which it is used and whether there is any infringement of patents is the sole responsibility of the user.