

Date Printed: 8/9/2001

Product Code: 250-1

Product Name: L.F. SAFETY ORANGE LACQUER (1 GAL)

GEMINI INDUSTRIES, INC., 2300 HOLLOWAY DRIVE, EL RENO, OK 73036

24-hour Emergency Phone: 800-510-8510

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

(SEE TOP OF PAGE)

2. COMPOSITION/INFORMATION ON INGREDIENTS

NEED
of
10's

COMPONENT/EXPOSURE LIMITS	CAS#
ISOBUTYL ACETATE	110-19-0
OSHA VPEL 150ppm-TWA	
ACGIH TLV 150ppm-TWA	
PETROLEUM DISTILLATE	68410-97-9
OSHA VPEL 100.000 PPM - TWA	
ACGIH TLV 1000.0000 PPM - TWA	
METHYL ETHYL KETONE	78-93-3
METHYL ETHYL KETONE: OSHA PEL 200ppm, 590mg/m3, ACGIH TLV 300ppm, 885mg/m3	
NITROCELLULOSE	9004-70-0
NOT LISTED	
PROPYLENE GLYCOL METHYL ETHER ACETATE	108-65-6
ISOPROPANOL	67-63-0
400ppm TWAS ACGIH, 983 mg/m3 TWAS ACGIH	
980mg/m3 TWAS OSHA, 500ppm STEL OSHA	
MINERAL SPIRITS	8052-41-3

3. HAZARDS IDENTIFICATION

FLAMMABLE IN A LIQUID STATE

HIGH VAPOR CONCENTRATIONS MAY CAUSE MILD EYE AND SKIN IRRITATION.

POTENTIAL HEALTH EFFECTS

SKIN: Widespread contact with skin for several hours can cause harmful amounts of material to be absorbed.

INGESTION: Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and even asphyxiation.

INHALATION: High vapor concentrations or prolonged breathing of lower concentrations may result in damage to the liver, kidneys, lungs and blood forming organs.

4. FIRST AID MEASURES

EYES: Flush with luke warm water for a minimum of 15 minutes. Seek medical attention immediately.

SKIN: Remove contaminated clothing, wash area immediately with soap and water. See physician if irritation persists.

INGESTION: Remove exposed individual to fresh air and assist breathing if necessary. Seek immediate medical attention.

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INHALATION: Rinse mouth immediately. Drink 1 or 2 glasses of water to dilute. Do NOT induce vomiting.
Contact physician or poison control center immediately.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASSIFICATION: CLASS 1B

LOWEST FLASH POINT: 18F METHOD: TCC

DOT: FLAMMABLE LIQUID

FLAMMABLE LIMITS:

LOWER FLAMMABLE LIMIT: 1.2

UPPER FLAMMABLE LIMIT: 11

EXTINGUISHING MEDIA: Alcohol Foam, CO2, Dry Chemical.

The National Fire Protection Association Class B extinguisher is designed to extinguish NFPA Class 1B flammable liquid fires.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat. Do not apply to hot surfaces. Never use a welding or cutting torch on or near container (even empty) because product (even residue) may ignite explosively. Liquid and vapor states of this substance are dangerous fire hazards and moderate explosion hazards when exposed to heat or flame.

FIREFIGHTING INSTRUCTIONS: Clear fire area of unprotected personnel. Do not enter confined space without helmet, face shield, bunker coat, gloves, rubber boots, and a positive pressure NIOSH-approved self-contained breathing apparatus. A water stream can scatter flames. A spray of water may be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable.

6. ACCIDENTAL RELEASE MEASURES

Stay upwind and away from spill or leak unless wearing appropriate protective equipment. Stop and/or contain if it may be done safely. Keep all sources of ignition away. Ventilate area of spill. Use non-sparking tools for clean up. Cover with inert material to reduce fumes. Keep out of drains, sewers, or waterways. If large spill occurs, alert spill response teams. Contact fire authorities. Notify local health and pollution control agencies.

7. HANDLING AND STORAGE

HANDLING: Bond and ground metal containers when transferring liquid. Avoid free fall of liquid in excess of a few inches. Personnel should avoid inhalation of vapors. Personal contact with the product should be avoided. Should contact be made, remove saturated clothing and flush affected skin areas with water. Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid and/or solid), all hazard precautions given in this sheet must be observed.

STORAGE: Keep product containers cool, dry and away from sources of ignition. Use and store this product with adequate ventilation. DO NOT SMOKE in or near storage areas

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION: Use local exhaust as required to control vapor concentrations. Avoid prolonged or repeated breathing of vapors. If exposure exceeds TLV, use NIOSH-approved respirator to prevent overexposure.

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SKIN PROTECTION: Required for prolonged or repeated contact. Wear resistant gloves such as natural rubber, neoprene, buna N or nitrile. An apron should be worn to avoid skin contact.

EYE PROTECTION: Wear splashproof goggles and face shield if there is a likelihood of contact with eyes.

HYGIENIC PRACTICES: Wash hands thoroughly before eating or using restroom. Remove contaminated clothing immediately and do not wear again until it has been properly laundered.

9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: 175.3F

MELTING POINT: N/A

VAPOR PRESSURE: N/A

VAPOR DENSITY: Heavier Than Air

SOLUBILITY IN WATER: N/A

SPECIFIC GRAVITY: .93

COATING VOC LB/GL: 5.61 lb/gl

COATING VOC GM/LTR: 673 g/l

MATERIAL VOC LB/GL: 5.61 lb/gl

MATERIAL VOC GM/LTR: 673 g/l

% VOLATILE BY VOLUME: 78.64%

EVAPORATION RATE: Faster than Butyl Acetate.

HAPS/GALLON: 1.1617

LBS HAPS/LBS SOLID: .5393

WEIGHT PER GALLON: 7.77 lb/gl

PH: N/A

ODOR: N/A

APPEARANCE: N/A

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable Conditions to Avoid: high heat, sparks, flames.

INCOMPATIBILITY: Materials to Avoid: Strong oxidizing agents, strong alkalines, strong mineral acids

HAZARDOUS DECOMPOSITION PRODUCTS: Oxidation may produce carbon and nitrogen oxides.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

~~CANCER INFORMATION: This product contains no reported carcinogens or suspected carcinogens.~~~~TERATOLOGY (BIRTH DEFECT) INFORMATION: This product contains no reported or suspected teratogens.~~~~REPRODUCTION INFORMATION:~~

12. ECOLOGICAL INFORMATION

~~ECOLOGICAL INFORMATION: Uncontrolled release of the product may result in contamination of air, ground, waterways and/or sewers.~~

13. DISPOSAL CONSIDERATIONS

Do not flush to sewer, watershed or waterway. Dispose of product in accordance with applicable local, county, state, federal regulations.

14. TRANSPORT INFORMATION

DOT NUMBER: UN1263

15. REGULATORY INFORMATION

HMIS HAZARD INDEX: 4=SEVERE, 3=SERIOUS, 2=MODERATE, 1=SLIGHT, 0=LEAST

HEALTH: 2

FLAMMABILITY: 3

REACTIVITY: 0

PERSONAL PROTECTION: I

M A T E R I A L S A F E T Y D A T A S H E E T

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SECTION 313: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372:

* METHYL ETHYL KETONE

78-93-3

% BY WT

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16. OTHER INFORMATION:

THE INFORMATION CONTAINED HEREIN IS INFORMATION RECEIVED FROM OUR RAW MATERIAL SUPPLIERS AND OTHER SOURCES AND IS BELIEVED TO BE RELIABLE. THIS DATA IS NOT TO BE TAKEN AS A WARRANTY OR REPRESENTATION FROM WHICH GEMINI INDUSTRIES, INC. ASSUMES LEGAL RESPONSIBILITY.