

GLENDO LLC

MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

MATERIAL NAME: SPRAY LACQUER (OUTDOOR CLEAR)

TRADE NAME: Spray Lacquer (Outdoor Clear)
PART NUMBERS: 024-027
DISTRIBUTOR'S NAME: Glendo LLC
ADDRESS: 900 Overlander Road, Emporia, KS 66801
PHONE: (620) 343-1084

2. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS #	WEIGHT % IS <	OCCUPATIONAL EXPOSURE LIMITS		
			TLV-TWA	TLV-STEL	SKIN
ESTER	141-78-6	25.0 %	400 ppm	NO INFO	NO
KETONE	67-64-1	20.0 %	750 ppm	1000 ppm	NO
AROMATIC HYDROCARBON	108-88-3	15.0 %	50/ppm	150/ppm*	NO
ESTER	763-69-9	15.0 %	NO INFO	NO INFO	NO
ESTER	123-86-4	15.0 %	150 ppm	200 ppm	NO
AROMATIC HYDROCARBON	1330-20-7	10.0 %	100/ppm	150/ppm	NO
ALCOHOL	71-36-3	10.0 %	C50 ppm	NO INFO*	YES
ALCOHOL	6-4-17-5	5.0 %	1000 ppm		NO

*= Ceiling Value

3. HAZARDS IDENTIFICATION

PRIMARY ROUTE(S) OF ENTRY: Skin contact, skin absorption, inhalation, ingestion, eye contact.

EFFECTS OF OVEREXPOSURE

EYE CONTACT: Causes moderate irritation. May cause redness, swelling, pain, or eye injury.

SKIN CONTACT: May cause mild irritation. Prolonged and repeated contact with skin can cause defatting and drying of the skin which may result in skin irritation and dermatitis. Prolonged contact may cause discomfort, pain, redness, swelling, or tissue destruction.

INHALATION: Causes moderate irritation. Vapors may irritate nose, throat, or respiratory tract. May cause chest pain or coughing. Inhalation overexposure may lead to central nervous system depression, producing effects such as nausea, vomiting, headache, dizziness, drowsiness, weakness, and loss of consciousness. May produce signs and symptoms of toxicity similar to those described for swallowing. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

3. HAZARDS IDENTIFICATION (continued)

INGESTION: May cause moderate irritation. Mildly toxic by ingestion. May cause abdominal discomfort, nausea, vomiting, diarrhea, dizziness, drowsiness, headache, or unconsciousness. Liquid ingestion may result in vomiting. Aspiration (breathing of liquid into the lungs) must be avoided as liquid contact with the lungs can result in chemical pneumonitis and pulmonary edema/hemorrhage. Prolonged or repeated exposure may cause damage to the liver.

CHRONIC HAZARDS: Eye disorders. Skin disorders. Respiratory system disorders.

4. FIRST AID MEASURES

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.

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

INGESTION CONTACT: 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.

5. FIRE, EXPLOSION DATA AND MEASURES

FLASH POINT: -4°F (SETAFLASH CLOSED CUP)

FLAMMABLE LIMITS: LEL: 1.0% **UEL:** 19.0%

EXTINGUISHING MEDIA: alcohol foam, CO₂, dry chemical foam, water, fog

SPECIAL FIRE FIGHTING PRECAUTIONS/INSTRUCTIONS: Water may be used to cool closed containers to prevent pressure build-up and possible auto-ignition or explosion when exposed to extreme heat.

EXPLOSION AND VAPORS: 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.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Avoid breathing solvent vapor. Ensure adequate ventilation. Avoid sparks, flames, and anything which could cause fire. Soak liquids with sawdust or rags and remove. Flush with water if possible.

7. HANDLING AND STORAGE

HANDLING: GROUNDING: when transferring, fill stem and container must be grounded and bonded. Use respiratory protection against fumes generated during burning. Avoid prolonged contact with skin and breathing of vapors.

STORAGE: Store in a cool dry area with ventilation suitable for storing materials shown in section 2. 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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: 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.

PERSONAL PROTECTIVE EQUIPMENT (PPE) DURING PRODUCT USE

EYE PROTECTION: Chemical-type splash goggles with side shields or face shield recommended.

RESPIRATORY PROTECTION: NIOSH/OSHA approved respirator types suitable for materials in section 2 recommended. Approved chemical/mechanical filters recommended when ventilation is restricted. Approved airline type respirators or hoods recommended in confined areas.

SKIN PROTECTION: Rubber or neoprene. Wear protective clothing sufficient to cover exposed skin surfaces. For applications where skin contact is likely, use gloves and/or clothing made of neoprene rubber or butyl rubber.

OTHER PROTECTIVE EQUIPMENT: Use protective creams where skin contact is likely. Remove and wash contaminated clothing before reuse. Clothing adequate to protect skin, eyebath, and safety shower.

HYGIENIC PRACTICES: Wash hands before eating or smoking. Smoke in designated areas only.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: clear liquid

PHYSICAL STATE: liquid

ODOR: characteristic

SOLUBILITY: negligible

VOLATILE BY WEIGHT: 92.1%

VOCS, lbs/gal: 6.82

BOILING RANGE: 133 - 329°F

SPECIFIC GRAVITY: 0.8838

VAPOR DENSITY: is heavier than air

EVAPORATION RATE: is slower than ether

VOLATILE BY VOLUME: 93.9%

VOCS, grams/ltr: 817

10. STABILITY AND REACTIVITY

STABILITY: This product is stable under normal storage conditions.

CONDITIONS TO AVOID: none known

MATERIALS TO AVOID: Alkali metal hydroxides, such as sodium hydroxide, strong oxidizing agents such as nitric acid, strong acids, excessive heat and ignition sources.

HAZARDOUS DECOMPOSITION PRODUCTS: Burning can produce carbon-dioxide and/or carbon monoxide.

HAZARDOUS POLYMERIZATION: Will not occur under normal conditions.

11. TOXICOLOGICAL INFORMATION

HMIS RATINGS **HEALTH:** 2 **FLAMMABILITY:** 3 **REACTIVITY:** 1

12. ECOLOGICAL INFORMATION

N/A

13. DISPOSAL CONSIDERATIONS

Avoid skin contact. Disposal should be in accordance with Local, State, and Federal Regulations.

14. TRANSPORT INFORMATION

N/A

15. REGULATORY INFORMATION

SARA SECTION 313: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

CHEMICAL NAME	CAS NUMBER	WT/WT % IS LESS THAN
AROMATIC HYDROCARBON	108-88-3	15.0 %
AROMATIC HYDROCARBON	1330-20-7	10.0 %
ALCOHOL	71-36-3	10.0 %

16. OTHER INFORMATION

The information contained herein is based on data considered to be accurate; however, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.

Vendor assumes no responsibility for injury to vendee or third party persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the material safety data sheet.

Additionally, vendor assumes no responsibility for injury to vendee or third party persons proximately caused by abnormal use of this material even if reasonable safety procedures are followed.

Vendee assumes the risk in use of this material.

CREATION DATE	CREATED BY	
02/24/2006	B. Teegardin	
REVISION DATE	REVISED BY	REASON FOR REVISION
03/22/2013	R. Fessler	Content Review
08/13/2014	R. Fessler	Content Review