

# MATERIAL SAFETY DATA SHEET

## GERNERS 817

**HMIS & NFPA RATING:**  
HEALTH - 2  
FLAMMABILITY - 2  
REACTIVITY - 2  
PERSONAL PROTECTION - B

### SECTION I - GENERAL INFORMATION

**MANUFACTURER'S NAME & ADDRESS:**

**CRESCENT HARDWOOD SUPPLY, INC**

**1101 SAMS AVENUE**

**NEW ORLEANS, LA 701323**

**EMERGENCY/INFORMATION PHONE #:**

**PHONE: (504) 523-4972 FAX #: (504) 309-6949**

**EFFECTIVE DATE:** AUGUST 15, 1994

**TRADE NAME:** 817 GERNERS

**CHEMICAL FAMILY:** FLOOR SEALER

**CAS #:** N/A, BLEND

**CHEMICAL FORMULA:** PROPRIETARY

### SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT	CAS #	WT %	TLV ppm mg/m <sup>3</sup>	SOURCE	VAPOR PRESSURE MmHg @ 68° F	LEL
Petroleum Naptha, Heavy	64741-65-7	14.2	300	TWA/ACGIH	2.6	0.70
Aromatic Naptha, Light	64742-95-6	<1.0	100 525	TWA/ACGIH	10.0	0.90
			100 525	FEDERAL PEL		
Xylene (Mixed Isomers)	1330-20-7	<1.0	100 434	TWA/ACGIH	8.0	1.00
			100 434	FEDERAL PEL		
			150 651	STEL/ACGIH		
			100 434	NIOSH		
1,2,4 - Trimethylbenzene	95-63-6	<1.0	25 125	TWA/ACGIH	1.7	0.90
Trimethylbenzenes						
(1,2,3 & 1,3,5 Isomers)	25551-13-7	<1.0	N/E N/E	N/E	1.0	N/E
Ethyl Toluenes	25550-15-5	<1.0	100 435	TWA/ACGIH	7.1	0.80
Ethyl Benzenes		<1.0	100 435	FEDERAL PEL		
			125 545	STEL/ACGIH		
Mineral Spirits	64742-88-7	21.2	100	TWA		0.70

### SECTION III - PHYSICAL DATA

<b>Boiling Range:</b>	240-410 <sup>0</sup> F	<b>% Volatile by Weight</b>	47.12
<b>Specific Gravity:</b>	0.881	<b>% Volatile by Vol.</b>	39.25
<b>Vapor Density: (Air = 1)</b>	3.923	<b>Solubility in Water</b>	Negligible
<b>Vapor Pressure (mm Hg @ 68° F)</b>	2.54	<b>Evaporation Rate (n-Bu Ac =1)</b>	0.15
<b>Volatile Organic Content (VOC)</b>	466 g/l	<b>Appearance and Odor</b>	Amber Solution, Mild Odor

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT:** 100<sup>0</sup> F (Seta Flash)

**OSHA CLASSIFICATION:** II

**FLAMMABLE LIMITS % BY VOLUME IN AIR AT 212<sup>0</sup> F:**

Lower Explosive Limit (LEL): 1.00

Upper Explosive Limit (LEL): 7.00

**EXTINGUISHING MEDIA:** Use foam, Carbon Dioxide, or chemical fire fighting apparatus.

**UNUSUAL FIRE & EXPLOSION HAZARDS:** Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat.

**SPECIAL FIRE FIGHTING PROCEDURES:** The use of self-contained breathing apparatus is recommended for firefighters.

Water spray may be used for cooling containers to prevent possible pressure build-up and auto-ignition of explosion when exposed to extreme heat. Avoid spreading burning liquid with water used for cooling.

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**SECTION V – HEALTH HAZARD DATA**

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**EFFECTS OF OVEREXPOSURE**

**EYE CONTACT:** Severe irritation, redness, tearing and blurred vision.

**SKIN CONTACT:** Prolonged or repeated exposure can cause moderate irritation, defatting and dermatitis.

**INHALATION:** Excessive inhalation of vapors can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea and headache. High concentrations may result in narcosis. (Central Nervous System depression)

**INGESTION:** Can cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of the material into the lung can cause chemical pneumonitis, which can be fatal.

**CHRONIC EXPOSURE:** May cause damage to the Central Nervous System, Respiratory System, Lungs, Eyes, Skin, Gastrointestinal Tract, Liver, Spleen and Kidneys.

**EMERGENCY AND FIRST AID PROCEDURES:**

**EYE CONTACT:** Flush with clean lukewarm water for at least 15 minutes, occasionally lifting the eyelids. Obtain Medical Attention.

**SKIN CONTACT:** Remove contaminated clothing. Wash effected skin areas thoroughly with soap and water. Wash contaminated clothing thoroughly.

**INHALATION:** Remove to fresh air. Apply artificial respiration or administer oxygen, if necessary. Call physician immediately.

**INGESTION:** Keep person warm, quiet and get immediate medical attention. Do not induce vomited, aspiration of material into the lungs from vomiting can cause chemical pneumonitis, which can be fatal.

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**SECTION VI – REACTIVITY DATA**

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**STABILITY:** Stable

**INCOMPATIBILITY:** Avoid contact with strong oxidizing agents.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may yield carbon dioxide and/or carbon monoxide

**HAZARDOUS POLYMERIZATION:** will not occur.

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**SECTION VII - SPILL OR LEAK PROCEDURES**

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**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

Evacuate all non-essential personnel. Remove all sources if ignition. Ventilate the area. Equip employees with appropriate protection equipment (See section VIII). Dike around spilled material. Cover spill with inert material and shovel with non-sparking tools into container. Remove containers to a safe area and seal.

**WASTE DISPOSAL METHOD:**

Waste material must be disposed of in accordance with Federal, State and Local environmental regulatory controls.

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**SECTION VIII - SPECIAL PROTECTION INFORMATION**

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**RESPIRATORY PROTECTION:**

Use self-contained breathing apparatus where vapor concentration may be above the TLV limits. Below the TLV limits use a NIOSH approved vapor respirator or an airline respirator with escape bottle provisions.

**VENTILATION:**

Local exhaust must be sufficient to keep airborne vapor concentrations below the TLV limit.

Exhaust air may need to be cleaned by scrubbers or filters to reduce environmental contamination.

**PROTECTIVE GLOVES:** Chemical resistant gloves.

**EYE PROTECTION:** Safety Glasses with side shields.

**OTHER PROTECTIVE EQUIPMENT:** Eye bath and safety shower. Impervious clothing and boots.

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**SECTION IX – SPECIAL PRECAUTIONS**

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**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**

Combustible. Do not get into eyes, on skin or on clothing. Avoid breathing fumes. Do not take internally. When handling wear safety glasses with side shields, chemical resistant gloves and impervious clothing and gloves. In case of contact, flush skin and or eyes with water for at least 15 minutes and call a physician. Remove contaminated clothing and wash before reuse. Discard footwear, which cannot be decontaminated. If ingested, do not induce vomiting. **Call Physician!** Final objective in case of over exposure is to get patient to hospital emergency room.

**OTHER PRECAUTIONS:**

Keep containers closed and away from excessive heat or flame. Keep away from children. Avoid contact with strong acids.

**DISCLAIMER**

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# GERNER'S POLYURETHANE

## Technical Data Sheet

**Product SKU:** GE8175 ( 5 gallon); GE8171 ( 1 gallon)

**Sheen:** Gloss

### Description

An oil-modified polyurethane line that has been designed for professional hardwood floor refinisher for use in commercial and residential applications, as well as gyms.

Color: Amber in can, dries clear

### Floor Preparation

Floors should be sanded and prepared in accordance with NWFA and NOFMA standards before coating. Abrade with 220 grit screen between first and second coat. For top coat abrade with maroon pad and sanding strips to minimize scratches.

### Application

Coverage: 500 sf

Cleanup: Mineral Spirits

Dry Time: 12-24 hours

Cure Time: 28 days

Coats: 3-4 coats

### Chemical Properties

% Volatile by Weight: 47.12

% Volatile by Vol.: 39.25

Flashpoint: 103<sup>o</sup>

Boiling Range: 240-410<sup>o</sup>

Specific Gravity: .0881

Vapor Density: (Air=1) 3.923

Vapor Pressure: (mm Hg @ 68 F) 2.54

Hazmat Class: Class 2

Shelf Life: 1 year



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