

# MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ZAR OIL BASED WOOD STAIN (ALL COLORS & TINT BASES)  
FORMERLY: ZAR WOOD STAIN & SEALER (ALL COLORS)  
PRODUCT CODE: 109-110-111-113-114-115-116-117-118-119-120-122-123  
124-125-126-127-128-129-130-135-136-137-138-139-145

HMS CODES: H F R P  
1 2 0

## SECTION I – MANUFACTURER IDENTIFICATION

MANUFACTURE'S NAME: UNITED GILSONITE LABORATORIES  
ADDRESS: 1396 JEFFERSON AVENUE  
SCRANTON, PA 18509

EMERGENCY PHONE: (800) 424-9300  
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NAME OF PREPARER: R. BARAKO

DATE REVISED: DECEMBER 2003  
SUPERSEDES: JULY 2000

## SECTION II – HAZARDOUS INGREDIENTS/SARA III INFORMATION

| HAZARDOUS COMPONENTS   | CAS NUMBER | OCCUPATIONAL EXPOSURE LIMITS |           |           | VAPOR PRESSURE<br>mmHg@TEMP | WEIGHT<br>PERCENT |
|------------------------|------------|------------------------------|-----------|-----------|-----------------------------|-------------------|
|                        |            | OSHA PEL                     | ACGIH TLV | OTHER     |                             |                   |
| MALEINIZED LINSEED OIL | 67922-98-9 | NOT ESTAB                    | NOT ESTAB | NOT ESTAB | N/A                         | 40                |
| STODDARD SOLVENT       | 8052-41-3  | 100 PPM                      | 100 PPM   | 100 PPM   | 3.0 (64F)                   | 40-50             |
| KEROSENE               | 8008-20-6  | NOT ESTAB                    | NOT ESTAB | NOT ESTAB | 1.0 (70F)                   | 5                 |

SEE SECTION IX FOR LIST OF ADDITIONAL INGREDIENTS

## SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

**BOILING RANGE:** 308-396 (F)  
**VAPOR DENSITY:** HEAVIER THAN AIR  
**COATING V.O.C.:** DOES NOT EXCEED MAXIMUM VOC 550 G/L (VOS 4.60 LB/GAL)  
**SOLUBILITY IN WATER:** INSOLUBLE  
**APPEARANCE AND ODOR:** COLORS SPECIFIC TO PRODUCT. TYPICAL MINERAL SPIRITS ODOR

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** 0.9  
**EVAPORATION RATE:** SLOWER THAN ETHER

## SECTION IV – FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT:** 104 (F)  
**FLAMMABLE LIMITS IN AIR BY VOLUME:**  
**EXTINGUISHING MEDIA:** FOAM, ALCOHOL FOAM, CO<sub>2</sub>, DRY CHEMICAL, WATER FOG  
**SPECIAL FIRE FIGHTING PROCEDURES:**

**METHOD USED:** TCC  
**LOWER:** 0.7% **UPPER:** 7.0%

WATER SPRAY MAY BE INEFFECTIVE. IF WATER IS USED, FOG NOZZLES ARE PREFERRED. WATER MAY BE USED TO COOL CLOSED CONTAINERS TO PREVENT PRESSURE BUILD-UP AND POSSIBLE AUTO-IGNITION OR EXPLOSION WHEN CONTAINERS ARE EXPOSED TO EXTREME HEAT.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**  
KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, SPARKS, ELECTRICAL EQUIPMENT AND OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.

## SECTION V – REACTIVITY DATA

**STABILITY:** PRODUCT IS STABLE

**CONDITIONS TO AVOID:** HEAT, SPARKS, OPEN FLAMES, HIGH TEMPERATURES.

**INCOMPATIBILITY (MATERIALS TO AVOID):** STRONG OXIDIZING AGENTS

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** FUMES, SMOKE, CARBON DIOXIDE, ALDEHYDES AND OTHER DECOMPOSITION PRODUCTS, IN CASE OF INCOMPLETE COMBUSTION.

**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR

## SECTION VI – HEALTH HAZARD DATA

**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** EXCESSIVE EXPOSURE TO VAPORS OR SPRAY MISTS CAN RESULT IN HEADACHE, DIZZINESS, INCOORDINATION, NAUSEA AND LOSS OF CONSCIOUSNESS.

**SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** THIS MATERIAL MAY BE AN EYE IRRITANT.

**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** THIS MATERIAL MAY CAUSE DEFATTING AND IRRITATION OF SKIN. PROLONGED OR REPEATED CONTACT MAY CAUSE DERMATTIS.

**INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** MAY PRODUCE SIGNS OF INTOXICATION CHARACTERIZED BY INCOORDINATION, DIZZINESS, HEADACHE, NAUSEA, MENTAL CONFUSION, SLURRED SPEECH DEPENDING ON THE QUANTITY OF MATERIAL INGESTED.

**HEALTH HAZARDS (ACUTE AND CHRONIC)** REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND CENTRAL NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.

**CARCINOGENICITY:** NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO  
NONE OF THE COMPONENTS IN THIS PRODUCT ARE LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:**  
KIDNEY DISEASES, RESPIRATORY ILLNESSES, SKIN ALLERGIES.

### **EMERGENCY AND FIRST AID PROCEDURES:**

**EYES:** FLUSH WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. CONSULT A PHYSICIAN IF IRRITATION PERSISTS.

**SKIN:** WASH AFFECTED AREA WITH SOAP AND WATER. CONSULT A PHYSICIAN IF IRRITATION PERSISTS

**INGESTION:** GIVE ONE OR TWO GLASSES OF WATER. IF INDIVIDUAL IS DROWSY OR UNCONSCIOUS DO NOT GIVE ANYTHING BY MOUTH. CONSULT A PHYSICIAN, MEDICAL FACILITY OR POISON CONTROL CENTER FOR ADVISE ABOUT WHETHER TO INDUCE VOMITING . TREAT SYMTOMATICALLY.

**INHALATION:** REMOVE VICTIM TO FRESH AIR TREAT SYMTOMATICALLY. CONSULT PHYSICIAN.

## SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

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

REMOVE ANY SOURCES OF IGNITION. PROVIDE ADEQUATE VENTILATION AND / OR SELF-CONTAINED BREATHING APPARATUS. DIKE SPILL, APPLY ABSORBENT MATERIAL. USING NON-SPARKING TOOLS, SCRAPE UP AND STORE IN A CLOSED METAL CONTAINER. AVOID BREATHING VAPORS.

**WASTE DISPOSAL METHOD:** DISPOSE OF IN APPROVED SITES ACCORDING TO LOCAL, STATE AND FEDERAL REGULATIONS

### **PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:**

AVOID BREATHING SANDING DUST. AVOID STORAGE AT TEMPERATURES GREATER THAN 90 DEGREES (F) OR NEAR HEAT, SPARKS, ELECTRICAL EQUIPMENT OR OPEN FLAMES.

### **OTHER PRECAUTIONS:**

AVOID PROLONGED BREATHING OF VAPORS OR CONTACT WITH SKIN. PREVENT PROLONGED OR REPEATED BREATHING OF VAPOR OR SPRAY MIST. TO AVOID SPONTANEOUS COMBUSTION DURING TEMPORARY STORAGE, SOAK SOILED RAGS AND WASTE IMMEDIATELY AFTER USE, IN A WATER FILLED, CLOSED METAL CONTAINER.

## SECTIONS VIII – CONTROL MEASURES

### **RESPIRATORY PROTECTION:**

WEAR NIOSH-APPROVED RESPIRATOR WITH ORGANIC VAPOR AND SOLID PARTICLE FILTER CARTRIDGES.

### **VENTILATION:**

USE ADEQUATE VENTILATION IN VOLUME AND PATTERN TO MAINTAIN LEVELS BELOW THAT LISTED IN SECTION II & IX

### **PROTECTIVE GLOVES:**

USE NEOPRENE RUBBER GLOVES TO PREVENT SKIN CONTACT.

### **EYE PROTECTION:**

USE SAFETY EYEWEAR WITH SPLASH GUARDS OR SIDE SHIELDS.

### **OTHER PROTECTIVE CLOTHING OR EQUIPMENT:**

REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE.

### **WORK / HYGIENIC PRACTICES:**

WASH HANDS BEFORE EATING, SMOKING OR USING THE BATHROOM.

**SECTION IX – ADDITIONAL INGREDIENTS**

| PRODUCT                | INGREDIENT                                       | CAS NO.                              | OCCUPATIONAL EXPOSURE LIMITS       |                                  | WEIGHT PERCENT |
|------------------------|--|--------------------------------------|------------------------------------|----------------------------------|----------------|
|                        |  |                                      | PEL                                | TLV                              |                |
| (109)<br>COLONIAL PINE | RAW UMBER<br>VAN DYKE BROWN                      | 12713-03-0<br>1317-34-6              | NOT ESTAB<br>NOT ESTAB             | 10 MG/M3<br>10 MG/M3             | <5<br>5-10     |
| (110)<br>SALEM MAPLE   | BURNT UMBER<br>BURNT SIENNA<br>NEPHELINE SYENITE | 1304-37-1<br>1309-37-1<br>37244-96-5 | NOT ESTAB<br>10 MG/M3<br>NOT ESTAB | 10 MG/M3<br>10 MG/M3<br>10 MG/M3 | <5<br><5<br><5 |
| (111)<br>WALNUT        | RAW UMBER<br>YELLOW OXIDE                        | 12713-03-0<br>51274-00-1             | NOT ESTAB<br>NOT ESTAB             | 10 MG/M3<br>10 MG/M3             | <5<br><5       |
| (113)<br>FRUITWOOD     | RAW UMBER<br>BURNT UMBER<br>TITANIUM DIOXIDE     | 12713-03-0<br>MIXTURE<br>13463-67-1  | NOT ESTAB<br>NOT ESTAB<br>10 MG/M3 | 10 MG/M3<br>5 MG/M3<br>15 MG/M3  | <5<br>5<br><5  |
| (114)<br>PROVINCIAL    | BURNT UMBER<br>IRON OXIDE<br>YELLOW OXIDE        | MIXTURE<br>1309-37-1<br>51274-00-1   | NOT ESTAB<br>10 MG/M3<br>NOT ESTAB | 5 MG/M3<br>5 MG/M3<br>10 MG/M3   | 5<br><5<br><5  |
| (115)<br>MODERN WALNUT | RAW UMBER<br>BURNT UMBER<br>IRON OXIDE           | 12713-03-0<br>MIXTURE<br>1309-37-1   | NOT ESTAB<br>NOT ESTAB<br>10 MG/M3 | 10 MG/M3<br>5 MG/M3<br>5 MG/M3   | 5<br><5<br><5  |
| (116)<br>CHERRY        | IRON OXIDE<br>BURNT UMBER                        | 1309-37-1<br>MIXTURE                 | 10 MG/M3<br>NOT ESTAB              | 5 MG/M3<br>5 MG/M3               | 5<br><5        |
| (117)<br>HONEY MAPLE   | NEPHELINE SYENITE                                | 37244-96-5                           | NOT ESTAB                          | 10 MG/M3                         | <5             |
| (118)<br>DARK MAHOGANY | IRON OXIDE<br>BURNT UMBER                        | 1309-37-1<br>MIXTURE                 | 10 MG/M3<br>NOT ESTAB              | 5 MG/M3<br>5 MG/CM               | 10<br>5        |
| (119)<br>DANISH WALNUT | RAW UMBER<br>BURNT UMBER<br>IRON OXIDE           | 12713-03-0<br>MIXTURE<br>1309-37-1   | NOT ESTAB<br>NOT ESTAB<br>10 MG/M3 | 10 MG/M3<br>5 MG/M3<br>5 MG/M3   | 5<br>5<br>5    |
| (120)<br>TEAK NATURAL  | RAW UMBER<br>IRON OXIDE                          | 12713-03-0<br>1309-37-1              | NOT ESTAB<br>10 MG/M3              | 10 MG/M3<br>10 MG/M3             | 10<br><5       |
| (122)<br>MEDITERRANEAN | RAW UMBER<br>BURNT UMBER<br>TITANIUM DIOXIDE     | 12713-03-0<br>MIXTURE<br>13463-67-1  | NOT ESTAB<br>NOT ESTAB<br>10 MG/M3 | 10 MG/M3<br>5 MG/M3<br>15 MG/M3  | 5<br><5<br><5  |
| (123)<br>MOORISH TEAK  | IRON OXIDE<br>MINERAL SPIRITS                    | 1309-37-1<br>64742-88-7              | 10 MG/M3<br>500 PPM                | 5 MG/M3<br>100 PPM               | 15<br><5       |
| (124)<br>ROSEWOOD      | IRON OXIDE<br>BURNT UMBER<br>MINERAL SPIRITS     | 1309-37-1<br>MIXTURE<br>64742-88-7   | 10 MG/M3<br>NOT ESTAB<br>500 PPM   | 5 MG/M3<br>5 MG/M3<br>100 PPM    | 5<br><5<br><5  |
| (125)<br>BLACK WALNUT  | IRON OXIDE<br>BURNT UMBER<br>RAW UMBER           | 1309-37-1<br>MIXTURE<br>12713-03-0   | 10 MG/M3<br>NOT ESTAB<br>NOT ESTAB | 5 MG/M3<br>5 MG/M3<br>10 MG/M3   | 5<br>5<br><5   |

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**SECTION IX – ADDITIONAL INGREDIENTS (CON'T)**

| PRODUCT                 | INGREDIENT             | CAS NO.    | OCCUPATIONAL EXPOSURE LIMITS |           | WEIGHT PERCENT |
|-------------------------|------------------------|------------|------------------------------|-----------|----------------|
|                         |                        |            | PEL                          | TLV       |                |
| (127)<br>GOLDEN OAK     | INORGANIC OXIDE        | 51274-00-1 | NOT ESTAB                    | NOT ESTAB | <5             |
| (128)<br>EARLY AMERICAN | BURNT SIENNA           | 1309-31-1  | 10 MG/M3                     | 5 MG/M3   | 5              |
|                         | BURNT UMBER            | 1309-31-1  | 10 MG/M3                     | 5 MG/M3   | <5             |
|                         | YELLOW IRON OXIDE      | 51274-00-1 | 15 MG/M3                     | 10 MG/M3  | <5             |
| (129)<br>AGED VARNISH   | YELLOW IRON OXIDE      | 51274-00-1 | NOT ESTAB                    | 5 MG/M3   | 5              |
| (130)<br>DRIFTWOOD      | RAW UMBER              | 1309-37-1  | 10 MG/M3                     | 5 MG/M3   | <5             |
|                         | TITANIUM DIOXIDE       | 13463-67-7 | 15 MG/M3                     | 10 MG/M3  | <5             |
| (135)<br>CHARCOAL       | IRON OXIDE             | 1309-37-1  | 10 MG/M3                     | 5 MG/M3   | 5              |
|                         | CARBON BLACK           | 1333-86-4  | 3.5 MG/M3                    | 3.5 MG/M3 | <5             |
|                         | MINERAL SPIRITS        | 64742-88-7 | 500 PPM                      | 100 PPM   | <5             |
| (136)<br>ENGLISH WALNUT | BURNT UMBER            | MIXTURE    | NOT ESTAB                    | 5 MG/M3   | <5             |
|                         | IRON OXIDE             | 1309-37-1  | 10 MG/M3                     | 5 MG/M3   | <5             |
| (137)<br>WHITE OAK      | NEPHELINE SYENITE      | 37244-96-5 | NOT ESTAB                    | 10 MG/M3  | <5             |
|                         | PIGMENT DISPERSION     | NOT ESTAB  | NOT ESTAB                    | NOT ESTAB | <5             |
| (138)<br>SPANISH OAK    | YELLOW OXIDE           | 51274-00-1 | NOT ESTAB                    | 10 MG/M3  | <5             |
| (139)<br>COUNTRY WHITE  | TITANIUM DIOXIDE       | 13463-67-1 | 10 MG/M3                     | 15 MG/M3  | 15-20          |
| (145)<br>TINT BASE      | MALEINIZED LINSEED OIL | 67922-98-9 | NOT ESTAB                    | NOT ESTAB | 40             |
|                         | STODDARD SOLVENT       | 8052-41-3  | 100 PPM                      | 100 PPM   | 55             |
|                         | KEROSENE               | 8008-20-6  | 100 PPM                      | 500 PPM   | 5              |

**SECTION X – DISCLAIMER**

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