

# MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ZAR EXTERIOR SOLID COLOR DECK AND SIDING STAIN  
ALL COLORS AND TINT BASES  
PRODUCT CODE: 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966

HMIS CODES: H F R P  
1 0 0

## SECTION I – MANUFACTURER IDENTIFICATION

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

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## SECTION II – HAZARDOUS INGREDIENTS/SARA III INFORMATION

HAZARDOUS COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS			VAPOR PRESSURE mmHg@TEMP	WEIGHT PERCENT
		OSHA PEL	ACGIH TLV	OTHER		
WATER	7732-18-5	NOT ESTAB	NOT ESTAB	NOT ESTAB	1.0 (68F)	45-50
*ETHYLENE GLYCOL	107-21-1	50 PPM	50 PPM	NOT ESTAB	0.1 (68F)	2
NEPHELINE SYENITE	37244-96-5	5 MG/M <sup>3</sup>	10 MG/M <sup>3</sup>	NOT ESTAB	N/A	15-20
ACRYLIC COPOLYMER	NOT ESTAB	NOT ESTAB	NOT ESTAB	NOT ESTAB	N/A	20-25
ALKYD RESIN	NOT ESTAB	NOT ESTAB	NOT ESTAB	NOT ESTAB	N/A	<5
ESTER ALCOHOL	25265-77-4	NOT ESTAB	NOT ESTAB	NOT ESTAB	1.0 (189F)	<5

\* Indicates toxic chemical (s) subject to the reporting requirements of Section 313 of Title III and of CFR 372  
SEE SECTION IX FOR LIST OF ADDITIONAL INGREDIENTS

## SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 212 F  
VAPOR DENSITY: HEAVIER THAN AIR  
COATING V.O.C.: DOES NOT EXCEED MAXIMUM VOC 100 G/L  
SOLUBILITY IN WATER: SOLUBLE  
APPEARANCE AND ODOR: WHITE OR COLORS, PRODUCT SPECIFIC. TYPICAL AMINE ODOR

SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 1.4  
EVAPORATION RATE: SLOWER THAN ETHER

## SECTION IV – FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A  
FLAMMABLE LIMITS IN AIR BY VOLUME:  
EXTINGUISHING MEDIA: NONE KNOWN  
SPECIAL FIRE FIGHTING PROCEDURES: CONTAINERS MAY SWELL AND BURST DURING A FIRE DUE TO INTERNAL PRESSURE CAUSED BY HEAT. THIS MAY CAUSE A SLIPPERY CONDITION ON FLOORS

METHOD USED: N/A  
LOWER: 3.2% UPPER: 15.3%

UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

## SECTION V – REACTIVITY DATA

STABILITY: PRODUCT IS STABLE

CONDITIONS TO AVOID: TEMPERATURES BELOW 32 (F) FOR STORAGE. TEMPERATURES BELOW 50 (F) FOR APPLICATION

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: N/A

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

## **SECTION VI – HEALTH HAZARD DATA**

**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** IN IT'S WET STATE, THIS PRODUCT SHOULD NOT POSE ANY THREAT TO HEALTH DUE TO OVEREXPOSURE

**SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** DIRECT CONTACT MAY CAUSE BURNING, TEARING, REDNESS AND SWELLING

**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** CAN CAUSE SLIGHT IRRITATION

**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)** NONE KNOWN

**CARCINOGENICITY:** NTP? NO IARC MONOGRAPHS? YES OSHA REGULATED? NO  
TITANIUM DIOXIDE HAS BEEN CHARACTERIZED BY IARC AS POSSIBLY CARCINOGENIC TO HUMANS (GROUP 2B) THROUGH INHALATION (NOT INGESTION). THIS CLASSIFICATION IS BASED UPON ANIMAL INHALATION STUDIES. EPIDEMIOLOGY STUDIES DO NOT SUGGEST AN INCREASED RISK OF CANCER IN HUMANS FROM OCCUPATIONAL EXPOSURE TO TITANIUM DIOXIDE.  
**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** INHALATION OF THE SPRAYED MATERIAL OR THE DUST FROM SANDING THE DRY FILM CAN AGGRAVATE RESPIRATORY CONDITIONS

### **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  
**INHALATION:** REMOVE VICTIM TO FRESH AIR

## **SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE**

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** DIKE AREA AROUND SPILL. APPLY ABSORBENT MATERIAL, THEN SWEEP UP AND PLACE IN PROPER CONTAINERS

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

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** AVOID BRATHING DUST. KEEP FROM FREEZING. STORE MATERIAL IN AREAS WHERE TEMPERATURES RANGE FROM 50 (F) TO 90 (F)

**OTHER PRECAUTIONS:** N/A

## **SECTIONS VIII – CONTROL MEASURES**

**RESPIRATORY PROTECTION:** WHEN SPRAYING OR SANDING DRY FILM, USE NIOSH APPROVED RESPIRATORS WITH SOLID PARTICULATE CARTRIDGES

**VENTILATION:** USE ADEQUATE VENTILATION IN VOLUME AND PATTERN TO MAINTAIN EXPOSURE LEVELS BELOW THAT LISTED IN SECTIONS II & IX

**PROTECTIVE GLOVES:** USE NEOPRENE RUBBER GLOVES TO PREVENT SKIN CONTACT

**EYE PROTECTION:** USE CHEMICAL SPLASH GOGGLES WITH SIDE SHIELDS

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** N/A

**WORK / HYGIENIC PRACTICES:** WASH HANDS BEFORE EATING, SMOKING OR USING WASH ROOM. WASH COMTAMINATED CLOTHING BEFORE REUSE.

**SECTION IX – ADDITIONAL INGREDIENTS**

PRODUCT	INGREDIENT	CAS. NO.	PERCENT (WT)	OCCUPATIONAL EXPOSURE LIMITS	
				TLV	PEL
LIGHT TINT BASE (956)	TITANIUM DIOXIDE	13463-67-7	15	10 MG/M <sup>3</sup>	15 MG/M <sup>3</sup>
MEDIUM TINT BASE (957)	TITANIUM DIOXIDE	13463-67-7	5	10 MG/M <sup>3</sup>	15 MG/M <sup>3</sup>
DARK TINT BASE (958)	SEE SECTION II				
NAVAJO WHITE (959)	TITANIUM DIOXIDE	13463-67-7	15	10 MG/M <sup>3</sup>	15 MG/M <sup>3</sup>
	RED IRON OXIDE	1309-37-1	<5	5 MG/M <sup>3</sup>	5 MG/M <sup>3</sup>
	YELLOW IRON OXIDE	51274-00-1	<5	5 MG/M <sup>3</sup>	5 MG/M <sup>3</sup>
WHITE (960)	TITANIUM DIOXIDE	13463-67-7	15	10 MG/M <sup>3</sup>	15MG/M <sup>3</sup>
CEDARWOOD (961)	RED IRON OXIDE	1309-37-1	<5	5 MG/M <sup>3</sup> (1)	10 MG/M <sup>3</sup> (1)
	YELLOW IRON OXIDE	51274-00-1	<5	5 MG/M <sup>3</sup> (1)	10 MG/M <sup>3</sup> (1)
	TITANIUM DIOXIDE	13463-67-7	5	10 MG/M <sup>3</sup>	15 MG/M <sup>3</sup>
CALIFORNIA RUSTIC (962)	DISPERSED COLOR	NOT ESTAB	<5	N/E	N/E
CAPE COD GRAY (963)	TITANIUM DIOXIDE	13463-67-7	15	10 MG/M <sup>3</sup>	15MG/M <sup>3</sup>
STONEHEDGE (964)	TITANIUM DIOXIDE	13463-67-7	15	10 MG/M <sup>3</sup>	15MG/M <sup>3</sup>
GEORGETOWN GRAY (965)	TITANIUM DIOXIDE	13463-67-7	5	10 MG/M <sup>3</sup>	15MG/M <sup>3</sup>
	DISPERSED COLOR	NOT ESTAB	<5	N/E	N/E
CHOCOLATE (966)	TITANIUM DIOXIDE	13463-67-7	<5	10 MG/M <sup>3</sup>	15MG/M <sup>3</sup>
	RED IRON OXIDE	1309-37-1	<5	5 MG/M <sup>3</sup>	5 MG/M <sup>3</sup>
	YELLOW IRON OXIDE	51274-00-1	5	5 MG/M <sup>3</sup>	5 MG/M <sup>3</sup>

(1) = TIME WEIGHTED AVERAGE  
N/E = NOT ESTABLISHED

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