

# MATERIAL SAFETY DATA SHEET

PRODUCT NAME: **ZAR EXTERIOR WATER BASED POLYURETHANE – SATIN**  
PRODUCT CODE: **28**

HMIS CODES: H F R P  
1 0 0

## SECTION 1 – MANUFACTURER IDENTIFICATION

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

EMERGENCY PHONE: **(800) 424-9300**  
INFORMATION PHONE: **(570) 344-1202**  
NAME OF PREPARER: **R. BARAKO**

DATE REVISED: JULY 2007  
SUPERSEDES: MAY 2005

## 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)	60
POLYURETHANE POLYMER	PROPRIETARY	NOT ESTAB	NOT ESTAB	NOT ESTAB	N/A	30
*N-METHYL-2-PYRROLIDONE	872-50-4	NOT ESTAB	NOT ESTAB	NOT ESTAB	0.3 (77F)	5
AMORPHOUS FUMED SILICA	112945-52-5	20 MPPCF	10 MG/M <sup>3</sup>	NOT ESTAB	N/A	<5
HYDROXY PHENOL						
BENZOTRIAZOLE MIXTURE	MIXTURE	NOT ESTAB	NOT ESTAB	NOT ESTAB	N/A	<5
SEBACATE ACID ESTERS MIXTURE	MIXTURE	NOT ESTAB	NOT ESTAB	NOT ESTAB	N/A	<5

\*Indicates chemical(s) subject to the reporting requirements of Section 313 of Title III and of 40 CFR 372.  
This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

## SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

**BOILING RANGE:** 212 (F)  
**VAPOR DENSITY:** HEAVIER THAN AIR  
**COATING VOC:** LESS THAN 275 g/L  
**SOLUBILITY IN WATER:** SOLUBLE  
**APPEARANCE AND ODOR:** CLEAR TO MILKY, TYPICAL AMINE ODOR

**SPECIFIC GRAVITY (H20 =1)** 1.0  
**EVAPORATION RATE:** SLOWER THAN ETHER

## SECTION IV – FIRE AND EXPLOSION HAZARD DATA

**FLASHPOINT:** N/A

**METHOD USED:** N/A

**FLAMMABLE LIMITS IN AIR BY VOLUME:**

**LOWER:** 2.2% **UPPER:** N/A

**EXTINGUISHING MEDIA:** NONE KNOWN

**SPECIAL FIRE FIGHTING PROCEDURES:** CONTAINER MAY SWELL AND BURST DURING A FIRE DUE TO INTERNAL PRESSURE CAUSED BY HEAT. THIS MAY CAUSE A SLIPPERY CONDITION ON FLOORS

**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, DROWSINESS, HEADACHE, NAUSEA, MENTAL CONFUSION DEPENDING ON THE QUANTITY OF MATERIAL INGESTED

**HEALTH HAZARDS (ACUTE AND CHRONIC):** NONE KNOWN

**CARCINOGENICITY:** NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO

**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 IMMEDIATELY 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:** SEEK MEDICAL ATTENTION. IF INDIVIDUAL IS DROWSY OR UNCONSCIOUS, DO NOT GIVE ANYTHING BY MOUTH; PLACE INDIVIDUAL ON THE LEFT SIDE WITH HEAD DOWN. CONTACT A PHYSICIAN, MEDICAL FACILITY OR POISON CONTROL CENTER FOR ADVICE 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 BREATHING SANDING 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 RESPIRATOR WITH DUST PARTICLE AND ORGANIC VAPOR CARTRIDGES

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

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

**EYE PROTECTION:** USE SAFETY EYEWEAR WITH SPLASH GUARDS

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** REMOVE AND WASH CONTAMINATED CLOTHING BEFORE REUSE

**WORK / HYGIENIC PRACTICES:** WASH HANDS BEFORE EATING, SMOKING OR USING WASH ROOM

## **SECTION IX – DISCLAIMER**

This information is furnished without warranty, representation, inducement or license of any kind, except that it is accurate to the best of UGL's knowledge, or obtained from sources believed by UGL to be accurate, and UGL does not assume any legal responsibility for use or reliance upon same. Before using any product, read the label.

# MATERIAL SAFETY DATA SHEET

PRODUCT NAME: **ZAR EXTERIOR WATER BASED POLYURETHANE – GLOSS**  
PRODUCT CODE: **21**

HMS CODES: H F R P  
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