

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ZAR EXTERIOR WATER BASED POLYURETHANE – ALL GLOSS LEVELS
PRODUCT CODE: 203, 267

HMS CODES: H F R P
1 0 0

SECTION I – 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: MAY 2010
SUPERSEDES: JULY 2007

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)	4.5
AMORPHOUS FUMED SILICA	112945-52-5	20 MPPCF	10 MG/M ³	NOT ESTAB	N/A	<5
HYDROXY PHENOL						
BENZOTRIAZOLE MIXTURE	104810-47-1 / 104810-48-2	NOT ESTAB	NOT ESTAB	NOT ESTAB	~7 x10(-7)@ 68F	<5
DECANEDIOIC ACID, 1,10- BIS						
(1,2,2,6,6-PENTAMETHYL-4- PIPERIDINYL) ESTER MIXTURE	41556-26-7 / 82919-37-7	NOT ESTAB	NOT ESTAB	NOT ESTAB	0.0001Pa @68F	<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 (H₂O =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

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