

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ZAR ULTRA INTERIOR – SATIN
PRODUCT CODE: 49

HMIS 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**
INFORMATION PHONE: **(570) 344-1202**
NAME OF PREPARER: **R. BARAKO**

DATE REVISED: MARCH 2005
SUPERSEDES: AUGUST 2004

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		
OIL MODIFIED POLYURETHANE	NOT ESTAB	NOT ESTAB	NOT ESTAB	NOT ESTAB	N/A	45
STODDARD SOLVENT	8052-41-3	100 PPM	100 PPM	100 PPM	3 @ 64F	50
KEROSENE	8008-20-6	500 PPM	100 PPM	NOT ESTAB	1 @ 70F	<5
HYDRATED AMORPHOUS SILICA	112926-00-8	6 MG/M ³	10 MG/M ³	NOT ESTAB	N/A	<5

No toxic chemical(s) subject to the reporting requirements of Section 313 of Title III and of 40 CFR 372 are present

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 305-350F
VAPOR DENSITY: HEAVIER THAN AIR
COATING V.O.C.: 4.09 LB/GL (490 G/L)
SOLUBILITY IN WATER: INSOLUBLE
APPEARANCE AND ODOR: LIGHT AMBER LIQUID WITH AROMATIC ODOR

SPECIFIC GRAVITY: (H₂O=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:

METHOD USED: SETA CC
LOWER: 0.7% **UPPER:** 7.0%

EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO₂, DRY CHEMICAL, WATER FOG

SPECIAL FIRE FIGHTING PROCEDURES: FIREFIGHTERS AND OTHERS EXPOSED TO VAPORS OR PRODUCTS OF COMBUSTION SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS.

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, CARBON MONOXIDE,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: 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 CAUS DEFATTING AND IRRITATION OF SKIN. PROLONGED OR REPEATED CONTACT MAY CAUSE DERMATTITIS.

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

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

CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO
NONE OF THE COMPONENTS LISTED 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 IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. TAKE TO A PHYSICIAN FOR MEDICAL ATTENTION.

SKIN: WASH AFFECTED AREAS WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. CONSULT PHYSICIAN IF IRRITATION PERSISTS.

INGESTION: DRINK 1 OR 2 GLASSES OF WATER TO DILUTE. DO NOT INDUCE VOMITING. CONSULT PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. TREAT SYMTOMATICALLY.

INHALATION: REMOVE TO FRESH AIR, RESTORE BREATHING. 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.

WASTE DISPOSAL METHOD: USING NON-SPARKING TOOLS, SCRAPE UP AND STORE IN CLOSED METAL CONTAINER. AVOID BREATHING VAPORS. 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(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 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 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 WASHROOM.

SECTION IX – DISCLAIMER

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PRODUCT NAME: ZAR ULTRA INTERIOR – ANTIQUE FLAT
PRODUCT CODE: 51

HMS CODES: H F R P
1 2 0

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ADDRESS: 1396 JEFFERSON AVENUE
SCRANTON, PA 18509

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INFORMATION PHONE: (570) 344-1202
NAME OF PREPARER: R. BARAKO

DATE REVISED: MARCH 2005
SUPERSEDES: JULY 2003

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		OSHA PEL	ACGIH TLV	OTHER		
OIL MODIFIED POLYURETHANE	NOT ESTAB	NOT ESTAB	NOT ESTAB	NOT ESTAB	N/A	40
STODDARD SOLVENT	8052-41-3	100 PPM	100 PPM	100 PPM	3 @ 64F	55
KEROSENE	8008-20-6	500 PPM	100 PPM	NOT ESTAB	1 @ 70F	<5
HYDRATED AMORPHOUS SILICA	112926-00-8	6 MG/M ³	10 MG/M ³	NOT ESTAB	N/A	<5

No toxic chemical(s) subject to the reporting requirements of Section 313 of Title III and of 40 CFR 372 are present

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 305-350F
VAPOR DENSITY: HEAVIER THAN AIR
COATING V.O.C.: 4.11 LB/GL (492 G/L)
SOLUBILITY IN WATER: INSOLUBLE
APPEARANCE AND ODOR: LIGHT AMBER LIQUID WITH AROMATIC ODOR

SPECIFIC GRAVITY: (H₂O=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:

METHOD USED: SETA CC
LOWER: 0.7% **UPPER:** 7.0%

EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO₂, DRY CHEMICAL, WATER FOG

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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, CARBON MONOXIDE, 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: EXPOSURE TO VAPORS OR SPRAY MISTS CAN RESULT IN HEADACHE, DIZZINESS, INCOORDINATION, NAUSEA AND LOSS OF CONSCIOUSNESS.

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CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO
NONE OF THE COMPONENTS LISTED 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 IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. TAKE TO A PHYSICIAN FOR MEDICAL ATTENTION.

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INHALATION: REMOVE TO FRESH AIR, RESTORE BREATHING. 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.

WASTE DISPOSAL METHOD: USING NON-SPARKING TOOLS, SCRAPE UP AND STORE IN CLOSED METAL CONTAINER. AVOID BREATHING VAPORS. DISPOSE OF IN APPROVED SITES ACCORDING TO LOCAL, STATE AND FEDERAL REGULATIONS.

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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 EXPOSURE LEVELS BELOW THAT LISTED IN SECTION II

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

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MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ZAR ULTRA INTERIOR – GLOSS
PRODUCT CODE: 48

HMIS 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**
INFORMATION PHONE: **(570) 344-1202**
NAME OF PREPARER: **R. BARAKO**

DATE REVISED: MARCH 2005
SUPERSEDES: NOVEMBER 2000

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		
OIL MODIFIED POLYURETHANE	NOT ESTAB	NOT ESTAB	NOT ESTAB	NONE	N/A	45
STODDARD SOLVENT	8052-41-3	100 PPM	100 PPM	100 PPM	3 @ 64F	50
KEROSENE	8008-20-6	500 PPM	100 PPM	NONE	1 @ 70F	<5

No toxic chemical(s) subject to the reporting requirements of Section 313 of Title III and of 40 CFR 372 are present

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 305-350F
VAPOR DENSITY: HEAVIER THAN AIR
COATING V.O.C.: 4.09 LB/GL (490 G/L)
SOLUBILITY IN WATER: INSOLUBLE
APPEARANCE AND ODOR: LIGHT AMBER LIQUID WITH AROMATIC ODOR

SPECIFIC GRAVITY: (H₂O=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:

METHOD USED: SETA CC
LOWER: 0.7% **UPPER:** 7.0%

EXTINGUISHING MEDIA: FOAM, ALCOHOL FOAM, CO₂, DRY CHEMICAL, WATER FOG

SPECIAL FIRE FIGHTING PROCEDURES: FIREFIGHTERS AND OTHERS EXPOSED TO VAPORS OR PRODUCTS OF COMBUSTION SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS.

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, CARBON MONOXIDE,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: EXPOSURE TO VAPORS OR SPRAY MISTS CAN RESULT IN HEADACHE, DIZZINESS, INCOORDINATION, NAUSEA AND LOSS OF CONSCIOUSNESS.

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PRODUCT CODE: 50

HMIS CODES: H F R P
1 2 0

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

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

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

CARCINOGENICITY: NTP? NO IARC MONOGRAPHS? NO OSHA REGULATED? NO
NONE OF THE COMPONENTS LISTED 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 IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. TAKE TO A PHYSICIAN FOR MEDICAL ATTENTION.

SKIN: WASH AFFECTED AREAS WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. CONSULT PHYSICIAN IF IRRITATION PERSISTS.

INGESTION: DRINK 1 OR 2 GLASSES OF WATER TO DILUTE. DO NOT INDUCE VOMITING. CONSULT PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. TREAT SYMTOMATICALLY.

INHALATION: REMOVE TO FRESH AIR, RESTORE BREATHING. 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.

WASTE DISPOSAL METHOD: USING NON-SPARKING TOOLS, SCRAPE UP AND STORE IN CLOSED METAL CONTAINER. AVOID BREATHING VAPORS. 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(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 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 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 WASHROOM.

SECTION IX – DISCLAIMER

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