

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ZAR ULTRA MAX OMU – GLOSS
PRODUCT CODE: 66

HMIS 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 ISSUED: MAY 2011
SUPERSEDES: JANUARY 2006

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
URETHANE ACRYLIC POLYMER	PROPRIETARY	NOT ESTAB	NOT ESTAB	NOT ESTAB	N/A	30
PROPYLENE GLYCOL	57-55-6	NOT ESTAB	NOT ESTAB	NOT ESTAB	.220(68F)	< 3
TRIPROPYLENE GLYCOL MONO- METHYL ETHER	25498-49-1	NOT ESTAB	NOT ESTAB	NOT ESTAB	.020 (68F)	1-3
DIPROPYLENE GLYCOL BUTOXY- ETHER	29911-28-2	NOT ESTAB	NOT ESTAB	NOT ESTAB	0.06 (68F)	4

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 212 (F)
VAPOR DENSITY: HEAVIER THAN AIR
COATING VOC: DOES NOT EXCEED MAXIMUM VOC 250 G/L
SOLUBILITY IN WATER: SOLUBLE
APPEARANCE AND ODOR: CLEAR TO MILKY, TYPICAL AMINE ODOR

SPECIFIC GRAVITY (H20 =1) 1.06
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: NO DATA

UPPER: NO DATA

EXTINGUISHING MEDIA: WATER, FOG, FOAM, CARBON DIOXIDE, DRY CHEMICAL, HALOGENATED AGENTS

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. THIS PRODUCT WILL NOT SUPPORT COMBUSTION UNLESS THE WATER HAS EVAPORATED.

UNUSUAL FIRE AND EXPLOSION HAZARDS: IRRITATING AND TOXIC SUBSTANCES WILL BE EMITTED UPON COMBUSTION, BURNING OR DECOMPOSITION OF THE DRY SOLIDS. COMBUSTION PRODUCTS: CARBON OXIDES, NITROGEN OXIDES. WEAR SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE AND PROTECTIVE CLOTHING.

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): ACIDIC CONDITIONS WILL CAUSE THE URETHANE RESIN TO PRECIPITATE OUT OF SOLUTION

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: CARBON MONOXIDE. CARBON DIOXIDE AND OXIDES OF NITROGEN

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION VI – HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: VAPORS OF THIS PRODUCT CAN IRRITATE MUCOUS MEMBRANES, EYES, NOSE AND RESPIRATORY PASSAGES.

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 CAUSE MILD GASTRIC IRRITATION, ABDOMINAL SPASMS, NAUSEA AND FAINTNESS.

HEALTH HAZARDS (ACUTE AND CHRONIC):

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

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: PRE-EXISTING SKIN PROBLEMS MAY BE AGGRAVATED BY PROLONGED OR REPEATED CONTACT. PERSONS WITH SENSITIVE AIRWAYS (E.G., ASTHMATICS) MAY REACT TO VAPORS

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. IF REDNESS, ITCHING OR BURNING SENSATION DEVELOPS GET MEDICAL ATTENTION. WASH CONTAMINATED CLOTHING BEFORE REUSE.

INGESTION: DO NOT INDUCE VOMITING. GIVE ONE OR TWO GLASSES OF WATER TO DRINK AND REFER TO MEDICAL PERSONNEL OR TAKE DIRECTION FROM EITHER A PHYSICIAN OR A POISON CONTROL CENTER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

INHALATION: REMOVE VICTIM TO FRESH AIR. IF A COUGH OR OTHER RESPIRATORY SYMPTOMS DEVELOP, CONSULT MEDICAL PERSONNEL.

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. OBSERVE RECOMMENDED EXPOSURE LIMITS.

OTHER PRECAUTIONS:

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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MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ZAR ULTRA MAX OMU – SEMI GLOSS
PRODUCT CODE: 67

HMIS CODES: H F R P
1 0 0

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PROPYLENE GLYCOL	57-55-6	NOT ESTAB	NOT ESTAB	NOT ESTAB	.220(68F)	< 3
TRIPROPYLENE GLYCOL MONO-METHYL ETHER	25498-49-1	NOT ESTAB	NOT ESTAB	NOT ESTAB	.020 (68F)	1-3
DIPROPYLENE GLYCOL BUTOXY-ETHER	29911-28-2	NOT ESTAB	NOT ESTAB	NOT ESTAB	0.06 (68F)	4
AMORPHOUS FUMED SILICA	112945-52-5	20 MPPCF	10 MG/M ³	NOT ESTAB	N/A	<5

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 212 (F)
VAPOR DENSITY: HEAVIER THAN AIR
COATING VOC: DOES NOT EXCEED MAXIMUM VOC 250 G/L
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APPEARANCE AND ODOR: CLEAR TO MILKY, TYPICAL AMINE ODOR

SPECIFIC GRAVITY (H20 =1) 1.06
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: NO DATA

UPPER: NO DATA

EXTINGUISHING MEDIA: WATER, FOG, FOAM, CARBON DIOXIDE, DRY CHEMICAL, HALOGENATED AGENTS

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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): ACIDIC CONDITIONS WILL CAUSE THE URETHANE RESIN TO PRECIPITATE OUT OF SOLUTION

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: CARBON MONOXIDE. CARBON DIOXIDE AND OXIDES OF NITROGEN

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HEALTH HAZARDS (ACUTE AND CHRONIC):

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

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: PRE-EXISTING SKIN PROBLEMS MAY BE AGGRAVATED BY PROLONGED OR REPEATED CONTACT. PERSONS WITH SENSITIVE AIRWAYS (E.G., ASTHMATICS) MAY REACT TO VAPORS

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. IF REDNESS, ITCHING OR BURNING SENSATION DEVELOPS GET MEDICAL ATTENTION. WASH CONTAMINATED CLOTHING BEFORE REUSE.

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SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

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

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OTHER PRECAUTIONS:

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

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MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ZAR ULTRA MAX OMU – SATIN
PRODUCT CODE: 68

HMIS 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

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SUPERSEDES: JANUARY 2006

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SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 212 (F)
VAPOR DENSITY: HEAVIER THAN AIR
COATING VOC: DOES NOT EXCEED MAXIMUM VOC 250 G/L
SOLUBILITY IN WATER: SOLUBLE
APPEARANCE AND ODOR: CLEAR TO MILKY, TYPICAL AMINE ODOR

SPECIFIC GRAVITY (H2O =1) 1.06
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: NO DATA

UPPER: NO DATA

EXTINGUISHING MEDIA: WATER, FOG, FOAM, CARBON DIOXIDE, DRY CHEMICAL, HALOGENATED AGENTS

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. THIS PRODUCT WILL NOT SUPPORT COMBUSTION UNLESS THE WATER HAS EVAPORATED.

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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): ACIDIC CONDITIONS WILL CAUSE THE URETHANE RESIN TO PRECIPITATE OUT OF SOLUTION

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: CARBON MONOXIDE. CARBON DIOXIDE AND OXIDES OF NITROGEN

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION VI – HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: VAPORS OF THIS PRODUCT CAN IRRITATE MUCOUS MEMBRANES, EYES, NOSE AND RESPIRATORY PASSAGES.

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INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: MAY CAUSE MILD GASTRIC IRRITATION, ABDOMINAL SPASMS, NAUSEA AND FAINTNESS.

HEALTH HAZARDS (ACUTE AND CHRONIC):

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

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EMERGENCY AND FIRST AID PROCEDURES:

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

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INGESTION: DO NOT INDUCE VOMITING. GIVE ONE OR TWO GLASSES OF WATER TO DRINK AND REFER TO MEDICAL PERSONNEL OR TAKE DIRECTION FROM EITHER A PHYSICIAN OR A POISON CONTROL CENTER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

INHALATION: REMOVE VICTIM TO FRESH AIR. IF A COUGH OR OTHER RESPIRATORY SYMPTOMS DEVELOP, CONSULT MEDICAL PERSONNEL.

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

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SECTIONS VIII – CONTROL MEASURES

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PRODUCT CODE: 69

HMIS CODES: H F R P
1 0 0

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FLASHPOINT: N/A

METHOD USED: N/A

FLAMMABLE LIMITS IN AIR BY VOLUME:

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SECTIONS VIII – CONTROL MEASURES

RESPIRATORY PROTECTION: WHEN SPRAYING OR SANDING DRY FILM, USE NIOSH APPROVED RESPIRATOR WITH DUST PARTICLE AND ORGANIC VAPOR CARTRIDGES

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SECTION IX – DISCLAIMER

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MATERIAL SAFETY DATA SHEET

PRODUCT NAME: **ZAR ULTRA MAX SANDING SEALER**
PRODUCT CODE: 65

HMIS 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 ISSUED: JUNE 2011
SUPERSEDES: MARCH 2011

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
URETHANE ACRYLIC POLYMER	PROPRIETARY	NOT ESTAB	NOT ESTAB	NOT ESTAB	N/A	30
PROPYLENE GLYCOL	57-55-6	NOT ESTAB	NOT ESTAB	NOT ESTAB	.220(68F)	<3
TRIPROPYLENE GLYCOL MONO-METHYL ETHER	25498-49-1	NOT ESTAB	NOT ESTAB	NOT ESTAB	.020 (68F)	1-3
DIPROPYLENE GLYCOL BUTOXY-ETHER	29911-28-2	NOT ESTAB	NOT ESTAB	NOT ESTAB	0.06 (68F)	4

SECTION III – PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 212 (F)
VAPOR DENSITY: HEAVIER THAN AIR
COATING VOC: DOES NOT EXCEED MAXIMUM VOC 250 G/L
SOLUBILITY IN WATER: SOLUBLE
APPEARANCE AND ODOR: CLEAR TO MILKY, TYPICAL AMINE ODOR

SPECIFIC GRAVITY (H20 =1) 1.06
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: NO DATA

UPPER: NO DATA

EXTINGUISHING MEDIA: WATER, FOG, FOAM, CARBON DIOXIDE, DRY CHEMICAL, HALOGENATED AGENTS

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. THIS PRODUCT WILL NOT SUPPORT COMBUSTION UNLESS THE WATER HAS EVAPORATED.

UNUSUAL FIRE AND EXPLOSION HAZARDS: IRRITATING AND TOXIC SUBSTANCES WILL BE EMITTED UPON COMBUSTION, BURNING OR DECOMPOSITION OF THE DRY SOLIDS. COMBUSTION PRODUCTS: CARBON OXIDES, NITROGEN OXIDES. WEAR SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE AND PROTECTIVE CLOTHING.

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): ACIDIC CONDITIONS WILL CAUSE THE URETHANE RESIN TO PRECIPITATE OUT OF SOLUTION

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: CARBON MONOXIDE. CARBON DIOXIDE AND OXIDES OF NITROGEN

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION VI – HEALTH HAZARD DATA

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE: VAPORS OF THIS PRODUCT CAN IRRITATE MUCOUS MEMBRANES, EYES, NOSE AND RESPIRATORY PASSAGES.

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 CAUSE MILD GASTRIC IRRITATION, ABDOMINAL SPASMS, NAUSEA AND FAINTNESS.

HEALTH HAZARDS (ACUTE AND CHRONIC):

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

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: PRE-EXISTING SKIN PROBLEMS MAY BE AGGRAVATED BY PROLONGED OR REPEATED CONTACT. PERSONS WITH SENSITIVE AIRWAYS (E.G., ASTHMATICS) MAY REACT TO VAPORS

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. IF RESNESS, ITCHING OR BURNING SENSATION DEVELOPS GET MEDICAL ATTENTION. WASH CONTAMINATED CLOTHING BEFORE REUSE.

INGESTION: DO NOT INDUCE VOMITING. GIVE ONE OR TWO GLASSES OF WATER TO DRINK AND REFER TO MEDICAL PERSONNEL OR TAKE DIRECTION FROM EITHER A PHYSICIAN OR A POISON CONTROL CENTER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

INHALATION: REMOVE VICTIM TO FRESH AIR. IF A COUGH OR OTHER RESPIRATORY SYMPTOMS DEVELOP, CONSULT MEDICAL PERSONNEL.

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

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