



MATERIAL SAFETY DATA SHEET

AQUANAUT II GLOSS ACRYLIC, POLAR WHITE

PRODUCT NAME: AQUANAUT II GLOSS ACRYLIC, POLAR WHI
PRODUCT CODE: A-1240

HMIS CODES: H F R P
1 0 0 C

SECTION I - MANUFACTURERS IDENTIFICATION

MANUFACTURER'S NAME: INDURON PROTECTIVE COATINGS, INC.
ADDRESS: 3333 RICHARD ARRINGTON Jr BLVD, N.
BIRMINGHAM, ALABAMA 35234

EMERGENCY PHONE: (205) 324-9584
DATE PRINTED: 1/8/2009

INFORMATION PHONE: (205) 324-9584
NAME OF PREPARER: John Anspach

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE		WEIGHT
		mm Hg @ TEMP		PERCENT
! TITANIUM DIOXIDE TLV/TWA=10 MG/M3 TOTAL DUST OR 5 MG/M3 (NUISANCE DUST)	13463-67-7	N/A		20 - 25%
2,2,4-TRIMETHYLPENTANEDIOL-1,3-MONOISOBUTYRATE NONE ESTABLISHED	25265-77-4	N/A		< 5%
* DIETHYLENE GLYCOL METHYL ETHER NONE ESTABLISHED	111-77-3	0.2	20 C	3
2 MODIFICATIONS OF POLY(OXY-1,2-ETHANEDIYL) NONE ESTABLISHED 30-45% CASRN 104810-47-1 40-55% CASRN 104810-48-2 10-16% CASRN 25322-68-3 (POLYETHYLENE GLYCOL, NON-HAZARDOUS)	104810-47-1	<.000001	25 C	.59
BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL) SEBACATE CIBA-GEIGY 1 MG/M3	41556-26-7	NEG.		< 5%
* ETHYLENE GLYCOL MONOBUTYL ETHER ACGIH TLV/TWA 25 PPM, OSHA PEL/TWA=25 PPM-SKIN	111-76-2	0.88	25 C	< 5%

* INDICATES TOXIC CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF 40 CFR 372.

! NOTE: PIGMENTS DO NOT NORMALLY POSE A DUST HAZARD IN COATINGS.

Warning: Detectable amounts of chemicals known to the State of California to cause cancer and/or birth defects or reproductive harm may be present in this product.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 340 F - 471 F **DENSITY:** 10.137 lb/gl

VAPOR DENSITY: HEAVIER THAN AIR.

EVAPORATION RATE: SLOWER THAN DIETHYL ETHER.

COATING VOC (Water Excluded): 1.65 lb/gl, 197 g/l

SOLUBILITY IN WATER: MOSTLY SOLUBLE

APPEARANCE AND ODOR:

Opaque, viscous liquid. Faint Ester and Amine odors.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 140 F

METHOD USED: TCC

FLAMMABLE LIMITS IN AIR BY VOLUME-LOWER: N/A

UPPER: N/A

EXTINGUISHING MEDIA:

THE LIQUID PRODUCT IS NOT FLAMMABLE.

SPECIAL FIREFIGHTING PROCEDURES:

FOR DRIED SOLIDS, USE WATER, FOAM, CARBON DIOXIDE OR DRY CHEMICAL EXTINGUISHERS.
KEEP CONTAINERS COOL TO MINIMIZE PRESSURE BUILDUP.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

NONE.

SECTION V - REACTIVITY DATA

STABILITY: STABLE UNDER NORMAL CONDITIONS OF STORAGE AND HANDLING.

CONDITIONS TO AVOID:

NONE NOTED.

INCOMPATIBILITY (MATERIALS TO AVOID):

NONE NOTED.

HAZARDOUS DECOMPOSITION BYPRODUCTS:

IGNITION MAY YIELD CARBON MONOXIDE, CARBON DIOXIDE AND TRACES OF MONOMER.

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR.

SECTION VI - HEALTH HAZARD DATA

SKIN CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

THIS COATING IS NOT EXPECTED TO CAUSE SKIN IRRITATION. SKIN ABSORPTION IS NOT LIKELY.

EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

THIS MATERIAL MAY CAUSE EYE IRRITATION. DIRECT CONTACT WITH THE LIQUID, VAPORS OR AEROSOL MAY CAUSE STINGING, TEARING AND REDNESS.

SENSITIZATION:

NOT A SKIN SENSITIZER.

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

BREATHING HIGH CONCENTRATIONS OF VAPORS OR AEROSOLS OF THIS MATERIAL MAY CAUSE NAUSEA AND IRRITATION OF THE NOSE, THROAT AND RESPIRATORY TRACT. RESPIRATORY SYMPTOMS ASSOCIATED WITH PRE-EXISTING LUNG DISORDERS (E.G., ASTHMA-LIKE CONDITIONS) MAY BE AGGRAVATED BY EXPOSURE TO THIS MATERIAL.

ORAL INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

WHILE THIS MATERIAL HAS A LOW DEGREE OF TOXICITY, INGESTION OF EXCESSIVE QUANTITIES MAY CAUSE IRRITATION OF THE DIGESTIVE TRACT.

EFFECTS OF OVEREXPOSURE:

INHALATION:

MAY CAUSE NAUSEA AND IRRITATIONS OF THE NOSE THROAT AND RESPIRATORY TRACT.

EYE CONTACT:

MAY CAUSE STINGING, TEARING, AND REDNESS.

SKIN CONTACT:

MEASURES TO REMOVE DRIED FILM FROM THE SKIN MAY CAUSE IRRITATION.

INGESTION:

MAY CAUSE IRRITATION OF THE DIGESTIVE TRACT.

CARCINOGENICITY: NTP?NO.

IARC MONOGAPHS?NO.

OSHA REGULATED?YES.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

ASTHMA AND LUNG DISEASES.

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT:

FLUSH EYES WITH CLEAN WATER FOR AT LEAST 15 MINUTES. IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION.

SKIN CONTACT:

FIRST AID IS NOT NORMALLY REQUIRED; HOWEVER, COATING IS MOST EASILY REMOVED BEFORE IT BECOMES DRY.

INGESTION:

NO FIRST AID IS NORMALLY REQUIRED; HOWEVER, IF SYMPTOMS DEVELOP, SEEK MEDICAL ATTENTION.

INHALATION OVEREXPOSURE:

IF RESPIRATORY SYMPTOMS DEVELOP, MOVE VICTIM AWAY FROM SOURCE OF EXPOSURE AND INTO FRESH AIR. IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION. IF VICTIM IS NOT BREATHING, IMMEDIATELY BEGIN ARTIFICIAL RESPIRATION. IF BREATHING DIFFICULTIES DEVELOP, OXYGEN SHOULD BE ADMINISTERED BY QUALIFIED PERSONNEL. GET IMMEDIATE MEDICAL ATTENTION.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

FLUSH SPILLED MATERIAL INTO SUITABLE RETAINING AREAS OR CONTAINERS WITH LARGE QUANTITIES OF WATER. SMALL SPILLS: SPILLED MATERIAL MAY BE ABSORBED INTO AN APPROPRIATE ABSORBANT. PREVENT SPILLED LIQUID FROM ENTERING SEWERS, STORM DRAINS, OTHER UNAUTHORIZED TREATMENT/DRAINAGE SYSTEMS AND NATURAL WATERWAYS. NOTIFY APPROPRIATE STATE/LOCAL AGENCIES.

WASTE DISPOSAL METHOD:

DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

KEEP CONTAINERS COOL AND DRY. USE AND STORE THIS PRODUCT WITH ADEQUATE VENTILATION (SEE SECTION IV). KEEP PRODUCT CONTAINERS CLOSED WHEN NOT IN USE. AVOID SUBJECTING THIS PRODUCT TO EXTREME TEMPERATURE VARIATIONS AND FREEZING. SHOCKING EMULSIONS WITH LARGE QUANTITIES OF CHEMICALS OR EXTREME SHEAR MAY CAUSE COAGULATION. CAREFUL HANDLING PRACTICES SHOULD BE EXERCISED AND UNNECESSARY EXPOSURE AVOIDED. DO NOT WEAR SATURATED CLOTHING OR SHOES.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

RESPIRATORY PROTECTION MAY BE NECESSARY.

VENTILATION:

IF CURRENT VENTILATION PRACTICES ARE NOT ADEQUATE TO MINIMIZE EXPOSURE, ADDITIONAL VENTILATION OR EXHAUST SYSTEMS MAY BE REQUIRED.

SKIN PROTECTION:

FOR BRIEF CONTACT, NO PRECAUTIONS OTHER THAN CLEAN BODY-COVERING CLOTHING SHOULD BE NEEDED. USE IMPERVIOUS GLOVES WHEN PROLONGED OR FREQUENTLY REPEATED CONTACT MIGHT OCCUR

EYE PROTECTION:

USE SPLASH PROOF CHEMICAL GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS.

OTHER RECOMMENDED PROTECTIVE MEASURES:

IT IS SUGGESTED THAT A SOURCE OF CLEAN WATER BE AVAILABLE IN THE WORK AREA FOR FLUSHING EYES AND SKIN. IMPERVIOUS CLOTHING SHOULD BE WORN AS NEEDED.



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RECOMMENDED HYGIENIC PRACTICES:

WASH HANDS AND ARMS WITH SOAP AND WATER PRIOR TO EATING, DRINKING, SMOKING OR USING THE LAVATORY.

SECTION IX - DISCLAIMERS

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PRODUCT NAME: AQUANAUT II GLOSS ACRYLIC EN. C.T.B.
PRODUCT CODE: A-1245C

HMIS CODES: H F R P
1 0 0 C

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MANUFACTURER'S NAME: INDURON PROTECTIVE COATINGS, INC.
ADDRESS: 3333 RICHARD ARRINGTON Jr BLVD, N.
BIRMINGHAM, ALABAMA 35234

EMERGENCY PHONE: (205) 324-9584
DATE PRINTED: 1/8/2009

INFORMATION PHONE: (205) 324-9584
NAME OF PREPARER: John Anspach

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE		WEIGHT
		mm Hg @ TEMP		PERCENT
2,2,4-TRIMETHYLEPENTANEDIOL-1,3-MONOISOBUTYRATE NONE ESTABLISHED	25265-77-4	N/A		< 5%
* DIETHYLENE GLYCOL METHYL ETHER NONE ESTABLISHED	111-77-3	0.2	20 C	4
2 MODIFICATIONS OF POLY(OXY-1,2-ETHANEDIYL) NONE ESTABLISHED 30-45% CASRN 104810-47-1 40-55% CASRN 104810-48-2 10-16% CASRN 25322-68-3 (POLYETHYLENE GLYCOL, NON-HAZARDOUS)	104810-47-1	<.000001	25 C	.67
BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL) SEBACATE CIBA-GEIGY 1 MG/M3	41556-26-7	NEG.		< 5%
* ETHYLENE GLYCOL MONOBUTYL ETHER ACGIH TLV/TWA 25 PPM, OSHA PEL/TWA=25 PPM-SKIN	111-76-2	0.88	25 C	< 5%

* INDICATES TOXIC CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF 40 CFR 372.

! NOTE: PIGMENTS DO NOT NORMALLY POSE A DUST HAZARD IN COATINGS.

Warning: Detectable amounts of chemicals known to the State of California to cause cancer and/or birth defects or reproductive harm may be present in this product.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 340 F - 471 F

DENSITY: 8.905 lb/g1

VAPOR DENSITY: HEAVIER THAN AIR.

EVAPORATION RATE: SLOWER THAN DIETHYL ETHER.

COATING VOC (Water Excluded): 1.84 lb/g1,220 g/1

SOLUBILITY IN WATER: MOSTLY SOLUBLE

APPEARANCE AND ODOR:

Opaque, viscous liquid. Faint Ester and Amine odors.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 140 F

METHOD USED: TCC

FLAMMABLE LIMITS IN AIR BY VOLUME-LOWER: N/A

UPPER: N/A

EXTINGUISHING MEDIA:

THE LIQUID PRODUCT IS NOT FLAMMABLE.

SPECIAL FIREFIGHTING PROCEDURES:

FOR DRIED SOLIDS, USE WATER, FOAM, CARBON DIOXIDE OR DRY CHEMICAL EXTINGUISHERS. KEEP CONTAINERS COOL TO MINIMIZE PRESSURE BUILDUP.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

NONE.

SECTION V - REACTIVITY DATA

STABILITY: STABLE UNDER NORMAL CONDITIONS OF STORAGE AND HANDLING.

CONDITIONS TO AVOID:

NONE NOTED.

INCOMPATIBILITY (MATERIALS TO AVOID):

NONE NOTED.

HAZARDOUS DECOMPOSITION BYPRODUCTS:

IGNITION MAY YIELD CARBON MONOXIDE, CARBON DIOXIDE AND TRACES OF MONOMER.

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR.

SECTION VI - HEALTH HAZARD DATA

SKIN CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

THIS COATING IS NOT EXPECTED TO CAUSE SKIN IRRITATION. SKIN ABSORPTION IS NOT LIKELY.

EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

THIS MATERIAL MAY CAUSE EYE IRRITATION. DIRECT CONTACT WITH THE LIQUID, VAPORS OR AEROSOL MAY CAUSE STINGING, TEARING AND REDNESS.

SENSITIZATION:

NOT A SKIN SENSITIZER.

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

BREATHING HIGH CONCENTRATIONS OF VAPORS OR AEROSOLS OF THIS MATERIAL MAY CAUSE NAUSEA AND IRRITATION OF THE NOSE, THROAT AND RESPIRATORY TRACT. RESPIRATORY SYMPTOMS ASSOCIATED WITH PRE-EXISTING LUNG DISORDERS (E.G., ASTHMA-LIKE CONDITIONS) MAY BE AGGRAVATED BY EXPOSURE TO THIS MATERIAL.

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EFFECTS OF OVEREXPOSURE:

INHALATION:

MAY CAUSE NAUSEA AND IRRITATIONS OF THE NOSE THROAT AND RESPIRATORY TRACT.

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MEASURES TO REMOVE DRIED FILM FROM THE SKIN MAY CAUSE IRRITATION.

INGESTION:

MAY CAUSE IRRITATION OF THE DIGESTIVE TRACT.

CARCINOGENICITY: NTP?NO.

IARC MONOGAPHS?NO.

OSHA REGULATED?YES.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

ASTHMA AND LUNG DISEASES.

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT:

FLUSH EYES WITH CLEAN WATER FOR AT LEAST 15 MINUTES. IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION.

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FIRST AID IS NOT NORMALLY REQUIRED; HOWEVER, COATING IS MOST EASILY REMOVED BEFORE IT BECOMES DRY.

INGESTION:

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INHALATION OVEREXPOSURE:

IF RESPIRATORY SYMPTOMS DEVELOP, MOVE VICTIM AWAY FROM SOURCE OF EXPOSURE AND

INTO FRESH AIR. IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION. IF VICTIM IS NOT BREATHING, IMMEDIATELY BEGIN ARTIFICIAL RESPIRATION. IF BREATHING DIFFICULTIES DEVELOP, OXYGEN SHOULD BE ADMINISTERED BY QUALIFIED PERSONNEL. GET IMMEDIATE MEDICAL ATTENTION.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

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WASTE DISPOSAL METHOD:

DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

KEEP CONTAINERS COOL AND DRY. USE AND STORE THIS PRODUCT WITH ADEQUATE VENTILATION (SEE SECTION IV). KEEP PRODUCT CONTAINERS CLOSED WHEN NOT IN USE. AVOID SUBJECTING THIS PRODUCT TO EXTREME TEMPERATURE VARIATIONS AND FREEZING. SHOCKING EMULSIONS WITH LARGE QUANTITIES OF CHEMICALS OR EXTREME SHEAR MAY CAUSE COAGULATION. CAREFUL HANDLING PRACTICES SHOULD BE EXERCISED AND UNNECESSARY EXPOSURE AVOIDED. DO NOT WEAR SATURATED CLOTHING OR SHOES.

SECTION VIII - SPECIAL PROTECTION INFORMATION

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USING THE LAVATORY.

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MATERIAL SAFETY DATA SHEET

AQUANAUT II GLOSS ACRYLIC EN. M.T.B.

PRODUCT NAME: AQUANAUT II GLOSS ACRYLIC EN. M.T.B.
PRODUCT CODE: A-1242M

HMIS CODES: H F R P
1 0 0 C

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MANUFACTURER'S NAME: INDURON PROTECTIVE COATINGS, INC.
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EMERGENCY PHONE: (205) 324-9584
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* DIETHYLENE GLYCOL METHYL ETHER NONE ESTABLISHED	111-77-3	0.2	20 C	3
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SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 340 F - 471 F **DENSITY:** 9.875 lb/gl

VAPOR DENSITY: HEAVIER THAN AIR.

EVAPORATION RATE: SLOWER THAN DIETHYL ETHER.

COATING VOC (Water Excluded): 1.7 lb/gl, 203 g/l

SOLUBILITY IN WATER: MOSTLY SOLUBLE

APPEARANCE AND ODOR:

Opaque, viscous liquid. Faint Ester and Amine odors.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 140 F

METHOD USED: TCC

FLAMMABLE LIMITS IN AIR BY VOLUME-LOWER: N/A

UPPER: N/A

EXTINGUISHING MEDIA:

THE LIQUID PRODUCT IS NOT FLAMMABLE.

SPECIAL FIREFIGHTING PROCEDURES:

FOR DRIED SOLIDS, USE WATER, FOAM, CARBON DIOXIDE OR DRY CHEMICAL EXTINGUISHERS.
KEEP CONTAINERS COOL TO MINIMIZE PRESSURE BUILDUP.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

NONE.

SECTION V - REACTIVITY DATA

STABILITY: STABLE UNDER NORMAL CONDITIONS OF STORAGE AND HANDLING.

CONDITIONS TO AVOID:

NONE NOTED.

INCOMPATIBILITY (MATERIALS TO AVOID):

NONE NOTED.

HAZARDOUS DECOMPOSITION BYPRODUCTS:

IGNITION MAY YIELD CARBON MONOXIDE, CARBON DIOXIDE AND TRACES OF MONOMER.

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR.

SECTION VI - HEALTH HAZARD DATA

SKIN CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

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CARCINOGENICITY: NTP?NO.

IARC MONOGAPHS?NO.

OSHA REGULATED?YES.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

ASTHMA AND LUNG DISEASES.

EMERGENCY AND FIRST AID PROCEDURES:

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SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

RESPIRATORY PROTECTION MAY BE NECESSARY.

VENTILATION:

IF CURRENT VENTILATION PRACTICES ARE NOT ADEQUATE TO MINIMIZE EXPOSURE, ADDITIONAL VENTILATION OR EXHAUST SYSTEMS MAY BE REQUIRED.

SKIN PROTECTION:

FOR BRIEF CONTACT, NO PRECAUTIONS OTHER THAN CLEAN BODY-COVERING CLOTHING SHOULD BE NEEDED. USE IMPERVIOUS GLOVES WHEN PROLONGED OR FREQUENTLY REPEATED CONTACT MIGHT OCCUR

EYE PROTECTION:

USE SPLASH PROOF CHEMICAL GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS.

OTHER RECOMMENDED PROTECTIVE MEASURES:

IT IS SUGGESTED THAT A SOURCE OF CLEAN WATER BE AVAILABLE IN THE WORK AREA FOR FLUSHING EYES AND SKIN. IMPERVIOUS CLOTHING SHOULD BE WORN AS NEEDED.



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AQUANAUT II GLOSS ACRYLIC EN. M.T.B.

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RECOMMENDED HYGIENIC PRACTICES:

WASH HANDS AND ARMS WITH SOAP AND WATER PRIOR TO EATING, DRINKING, SMOKING OR USING THE LAVATORY.

SECTION IX - DISCLAIMERS

THE INFORMATION CONTAINED HEREIN IS BASED PRIMARILY ON DATA PROVIDED US BY OUR SUPPLIERS, AND WE BELIEVE IT TO BE CORRECT. HOWEVER, INDURON COATINGS, INC. MAKES NO WARRENTY, EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF. INDURON ASSUMES NO RESPONSIBILITY FOR INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN.



MATERIAL SAFETY DATA SHEET

AQUANAUT II GLOSS ACRYLIC EN.D.T.B.

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PRODUCT NAME: AQUANAUT II GLOSS ACRYLIC EN.D.T.B.
PRODUCT CODE: A-1243D

HMIS CODES: H F R P
1 0 0 C

SECTION I - MANUFACTURERS IDENTIFICATION

MANUFACTURER'S NAME: INDURON PROTECTIVE COATINGS, INC.
ADDRESS: 3333 RICHARD ARRINGTON Jr BLVD, N.
BIRMINGHAM, ALABAMA 35234

EMERGENCY PHONE: (205) 324-9584
DATE PRINTED: 1/8/2009

INFORMATION PHONE: (205) 324-9584
NAME OF PREPARER: John Anspach

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE		WEIGHT
		mm Hg @ TEMP		PERCENT
! TITANIUM DIOXIDE TLV/TWA=10 MG/M3 TOTAL DUST OR 5 MG/M3 (NUISANCE DUST)	13463-67-7	N/A		10 - 15%
2,2,4-TRIMETHYLPENTANEDIOL-1,3-MONOISOBUTYRATE NONE ESTABLISHED	25265-77-4	N/A		< 5%
* DIETHYLENE GLYCOL METHYL ETHER NONE ESTABLISHED	111-77-3	0.2	20 C	3
2 MODIFICATIONS OF POLY(OXY-1,2-ETHANEDIYL) NONE ESTABLISHED 30-45% CASRN 104810-47-1 40-55% CASRN 104810-48-2 10-16% CASRN 25322-68-3 (POLYETHYLENE GLYCOL, NON-HAZARDOUS)	104810-47-1	<.000001	25 C	.62
BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL) SEBACATE CIBA-GEIGY 1 MG/M3	41556-26-7	NEG.		< 5%
* ETHYLENE GLYCOL MONOBUTYL ETHER ACGIH TLV/TWA 25 PPM, OSHA PEL/TWA=25 PPM-SKIN	111-76-2	0.88	25 C	< 5%

* INDICATES TOXIC CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF 40 CFR 372.

! NOTE: PIGMENTS DO NOT NORMALLY POSE A DUST HAZARD IN COATINGS.

Warning: Detectable amounts of chemicals known to the State of California to cause cancer and/or birth defects or reproductive harm may be present in this product.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 340 F - 471 F **DENSITY:** 9.615 lb/gl

VAPOR DENSITY: HEAVIER THAN AIR.

EVAPORATION RATE: SLOWER THAN DIETHYL ETHER.

COATING VOC (Water Excluded): 1.73 lb/gl, 207 g/l

SOLUBILITY IN WATER: MOSTLY SOLUBLE

APPEARANCE AND ODOR:

Opaque, viscous liquid. Faint Ester and Amine odors.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 140 F

METHOD USED: TCC

FLAMMABLE LIMITS IN AIR BY VOLUME-LOWER: N/A

UPPER: N/A

EXTINGUISHING MEDIA:

THE LIQUID PRODUCT IS NOT FLAMMABLE.

SPECIAL FIREFIGHTING PROCEDURES:

FOR DRIED SOLIDS, USE WATER, FOAM, CARBON DIOXIDE OR DRY CHEMICAL EXTINGUISHERS.
KEEP CONTAINERS COOL TO MINIMIZE PRESSURE BUILDUP.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

NONE.

SECTION V - REACTIVITY DATA

STABILITY: STABLE UNDER NORMAL CONDITIONS OF STORAGE AND HANDLING.

CONDITIONS TO AVOID:

NONE NOTED.

INCOMPATIBILITY (MATERIALS TO AVOID):

NONE NOTED.

HAZARDOUS DECOMPOSITION BYPRODUCTS:

IGNITION MAY YIELD CARBON MONOXIDE, CARBON DIOXIDE AND TRACES OF MONOMER.

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR.

SECTION VI - HEALTH HAZARD DATA

SKIN CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

THIS COATING IS NOT EXPECTED TO CAUSE SKIN IRRITATION. SKIN ABSORPTION IS NOT LIKELY.

EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

THIS MATERIAL MAY CAUSE EYE IRRITATION. DIRECT CONTACT WITH THE LIQUID, VAPORS OR AEROSOL MAY CAUSE STINGING, TEARING AND REDNESS.

SENSITIZATION:

NOT A SKIN SENSITIZER.

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

BREATHING HIGH CONCENTRATIONS OF VAPORS OR AEROSOLS OF THIS MATERIAL MAY CAUSE NAUSEA AND IRRITATION OF THE NOSE, THROAT AND RESPIRATORY TRACT. RESPIRATORY SYMPTOMS ASSOCIATED WITH PRE-EXISTING LUNG DISORDERS (E.G., ASTHMA-LIKE CONDITIONS) MAY BE AGGRAVATED BY EXPOSURE TO THIS MATERIAL.

ORAL INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

WHILE THIS MATERIAL HAS A LOW DEGREE OF TOXICITY, INGESTION OF EXCESSIVE QUANTITIES MAY CAUSE IRRITATION OF THE DIGESTIVE TRACT.

EFFECTS OF OVEREXPOSURE:

INHALATION:

MAY CAUSE NAUSEA AND IRRITATIONS OF THE NOSE THROAT AND RESPIRATORY TRACT.

EYE CONTACT:

MAY CAUSE STINGING, TEARING, AND REDNESS.

SKIN CONTACT:

MEASURES TO REMOVE DRIED FILM FROM THE SKIN MAY CAUSE IRRITATION.

INGESTION:

MAY CAUSE IRRITATION OF THE DIGESTIVE TRACT.

CARCINOGENICITY: NTP?NO.

IARC MONOGAPHS?NO.

OSHA REGULATED?YES.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

ASTHMA AND LUNG DISEASES.

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT:

FLUSH EYES WITH CLEAN WATER FOR AT LEAST 15 MINUTES. IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION.

SKIN CONTACT:

FIRST AID IS NOT NORMALLY REQUIRED; HOWEVER, COATING IS MOST EASILY REMOVED BEFORE IT BECOMES DRY.

INGESTION:

NO FIRST AID IS NORMALLY REQUIRED; HOWEVER, IF SYMPTOMS DEVELOP, SEEK MEDICAL ATTENTION.

INHALATION OVEREXPOSURE:

IF RESPIRATORY SYMPTOMS DEVELOP, MOVE VICTIM AWAY FROM SOURCE OF EXPOSURE AND INTO FRESH AIR. IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION. IF VICTIM IS NOT BREATHING, IMMEDIATELY BEGIN ARTIFICIAL RESPIRATION. IF BREATHING DIFFICULTIES DEVELOP, OXYGEN SHOULD BE ADMINISTERED BY QUALIFIED PERSONNEL. GET IMMEDIATE MEDICAL ATTENTION.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

FLUSH SPILLED MATERIAL INTO SUITABLE RETAINING AREAS OR CONTAINERS WITH LARGE QUANTITIES OF WATER. SMALL SPILLS: SPILLED MATERIAL MAY BE ABSORBED INTO AN APPROPRIATE ABSORBANT. PREVENT SPILLED LIQUID FROM ENTERING SEWERS, STORM DRAINS, OTHER UNAUTHORIZED TREATMENT/DRAINAGE SYSTEMS AND NATURAL WATERWAYS. NOTIFY APPROPRIATE STATE/LOCAL AGENCIES.

WASTE DISPOSAL METHOD:

DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

KEEP CONTAINERS COOL AND DRY. USE AND STORE THIS PRODUCT WITH ADEQUATE VENTILATION (SEE SECTION IV). KEEP PRODUCT CONTAINERS CLOSED WHEN NOT IN USE. AVOID SUBJECTING THIS PRODUCT TO EXTREME TEMPERATURE VARIATIONS AND FREEZING. SHOCKING EMULSIONS WITH LARGE QUANTITIES OF CHEMICALS OR EXTREME SHEAR MAY CAUSE COAGULATION. CAREFUL HANDLING PRACTICES SHOULD BE EXERCISED AND UNNECESSARY EXPOSURE AVOIDED. DO NOT WEAR SATURATED CLOTHING OR SHOES.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

RESPIRATORY PROTECTION MAY BE NECESSARY.

VENTILATION:

IF CURRENT VENTILATION PRACTICES ARE NOT ADEQUATE TO MINIMIZE EXPOSURE, ADDITIONAL VENTILATION OR EXHAUST SYSTEMS MAY BE REQUIRED.

SKIN PROTECTION:

FOR BRIEF CONTACT, NO PRECAUTIONS OTHER THAN CLEAN BODY-COVERING CLOTHING SHOULD BE NEEDED. USE IMPERVIOUS GLOVES WHEN PROLONGED OR FREQUENTLY REPEATED CONTACT MIGHT OCCUR

EYE PROTECTION:

USE SPLASH PROOF CHEMICAL GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS.

OTHER RECOMMENDED PROTECTIVE MEASURES:

IT IS SUGGESTED THAT A SOURCE OF CLEAN WATER BE AVAILABLE IN THE WORK AREA FOR FLUSHING EYES AND SKIN. IMPERVIOUS CLOTHING SHOULD BE WORN AS NEEDED.



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RECOMMENDED HYGIENIC PRACTICES:

WASH HANDS AND ARMS WITH SOAP AND WATER PRIOR TO EATING, DRINKING, SMOKING OR USING THE LAVATORY.

SECTION IX - DISCLAIMERS

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MATERIAL SAFETY DATA SHEET

AQUANAUT II GLOSS ACRYLIC EN. W.T.B.

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PRODUCT NAME: AQUANAUT II GLOSS ACRYLIC EN. W.T.B.
PRODUCT CODE: A-1241W

HMIS CODES: H F R P
1 0 0 C

SECTION I - MANUFACTURERS IDENTIFICATION

MANUFACTURER'S NAME: INDURON PROTECTIVE COATINGS, INC.
ADDRESS: 3333 RICHARD ARRINGTON Jr BLVD, N.
BIRMINGHAM, ALABAMA 35234

EMERGENCY PHONE: (205) 324-9584
DATE PRINTED: 1/8/2009

INFORMATION PHONE: (205) 324-9584
NAME OF PREPARER: John Anspach

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE		WEIGHT
		mm Hg @ TEMP		PERCENT
! TITANIUM DIOXIDE TLV/TWA=10 MG/M3 TOTAL DUST OR 5 MG/M3 (NUISANCE DUST)	13463-67-7	N/A		20 - 25%
* DIETHYLENE GLYCOL METHYL ETHER NONE ESTABLISHED	111-77-3	0.2	20 C	3
2,2,4-TRIMETHYLEPENTANEDIOL-1,3-MONOISOBUTYRATE NONE ESTABLISHED	25265-77-4	N/A		< 5%
2 MODIFICATIONS OF POLY(OXY-1,2-ETHANEDIYL) NONE ESTABLISHED 30-45% CASRN 104810-47-1 40-55% CASRN 104810-48-2 10-16% CASRN 25322-68-3 (POLYETHYLENE GLYCOL, NON-HAZARDOUS)	104810-47-1	<.000001	25 C	.59
BIS(1,2,2,6,6-PENTAMETHYL-4-PIPERIDINYL) SEBACATE CIBA-GEIGY 1 MG/M3	41556-26-7	NEG.		< 5%
* ETHYLENE GLYCOL MONOBUTYL ETHER ACGIH TLV/TWA 25 PPM, OSHA PEL/TWA=25 PPM-SKIN	111-76-2	0.88	25 C	< 5%

* INDICATES TOXIC CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF 40 CFR 372.

! NOTE: PIGMENTS DO NOT NORMALLY POSE A DUST HAZARD IN COATINGS.

Warning: Detectable amounts of chemicals known to the State of California to cause cancer and/or birth defects or reproductive harm may be present in this product.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS



MATERIAL SAFETY DATA SHEET

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BOILING RANGE: 340 F - 471 F **DENSITY:** 10.139 lb/gl

VAPOR DENSITY: HEAVIER THAN AIR.

EVAPORATION RATE: SLOWER THAN DIETHYL ETHER.

COATING VOC (Water Excluded): 1.56 lb/gl, 186 g/l

SOLUBILITY IN WATER: MOSTLY SOLUBLE

APPEARANCE AND ODOR:

Opaque, viscous liquid. Faint Ester and Amine odors.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 140 F **METHOD USED:** TCC

FLAMMABLE LIMITS IN AIR BY VOLUME-LOWER: N/A **UPPER:** N/A

EXTINGUISHING MEDIA:

THE LIQUID PRODUCT IS NOT FLAMMABLE.

SPECIAL FIREFIGHTING PROCEDURES:

FOR DRIED SOLIDS, USE WATER, FOAM, CARBON DIOXIDE OR DRY CHEMICAL EXTINGUISHERS. KEEP CONTAINERS COOL TO MINIMIZE PRESSURE BUILDUP.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

NONE.

SECTION V - REACTIVITY DATA

STABILITY: STABLE UNDER NORMAL CONDITIONS OF STORAGE AND HANDLING.

CONDITIONS TO AVOID:

NONE NOTED.

INCOMPATIBILITY (MATERIALS TO AVOID):

NONE NOTED.

HAZARDOUS DECOMPOSITION BYPRODUCTS:

IGNITION MAY YIELD CARBON MONOXIDE, CARBON DIOXIDE AND TRACES OF MONOMER.

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR.

SECTION VI - HEALTH HAZARD DATA

SKIN CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

THIS COATING IS NOT EXPECTED TO CAUSE SKIN IRRITATION. SKIN ABSORPTION IS NOT LIKELY.

EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

THIS MATERIAL MAY CAUSE EYE IRRITATION. DIRECT CONTACT WITH THE LIQUID, VAPORS OR AEROSOL MAY CAUSE STINGING, TEARING AND REDNESS.

SENSITIZATION:

NOT A SKIN SENSITIZER.

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

BREATHING HIGH CONCENTRATIONS OF VAPORS OR AEROSOLS OF THIS MATERIAL MAY CAUSE NAUSEA AND IRRITATION OF THE NOSE, THROAT AND RESPIRATORY TRACT. RESPIRATORY SYMPTOMS ASSOCIATED WITH PRE-EXISTING LUNG DISORDERS (E.G., ASTHMA-LIKE CONDITIONS) MAY BE AGGRAVATED BY EXPOSURE TO THIS MATERIAL.

ORAL INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

WHILE THIS MATERIAL HAS A LOW DEGREE OF TOXICITY, INGESTION OF EXCESSIVE QUANTITIES MAY CAUSE IRRITATION OF THE DIGESTIVE TRACT.

EFFECTS OF OVEREXPOSURE:

INHALATION:

MAY CAUSE NAUSEA AND IRRITATIONS OF THE NOSE THROAT AND RESPIRATORY TRACT.

EYE CONTACT:

MAY CAUSE STINGING, TEARING, AND REDNESS.

SKIN CONTACT:

MEASURES TO REMOVE DRIED FILM FROM THE SKIN MAY CAUSE IRRITATION.

INGESTION:

MAY CAUSE IRRITATION OF THE DIGESTIVE TRACT.

CARCINOGENICITY: NTP?NO.

IARC MONOGAPHS?NO.

OSHA REGULATED?YES.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

ASTHMA AND LUNG DISEASES.

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT:

FLUSH EYES WITH CLEAN WATER FOR AT LEAST 15 MINUTES. IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION.

SKIN CONTACT:

FIRST AID IS NOT NORMALLY REQUIRED; HOWEVER, COATING IS MOST EASILY REMOVED BEFORE IT BECOMES DRY.

INGESTION:

NO FIRST AID IS NORMALLY REQUIRED; HOWEVER, IF SYMPTOMS DEVELOP, SEEK MEDICAL ATTENTION.

INHALATION OVEREXPOSURE:

IF RESPIRATORY SYMPTOMS DEVELOP, MOVE VICTIM AWAY FROM SOURCE OF EXPOSURE AND INTO FRESH AIR. IF SYMPTOMS PERSIST, SEEK MEDICAL ATTENTION. IF VICTIM IS NOT BREATHING, IMMEDIATELY BEGIN ARTIFICIAL RESPIRATION. IF BREATHING DIFFICULTIES DEVELOP, OXYGEN SHOULD BE ADMINISTERED BY QUALIFIED PERSONNEL. GET IMMEDIATE MEDICAL ATTENTION.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

FLUSH SPILLED MATERIAL INTO SUITABLE RETAINING AREAS OR CONTAINERS WITH LARGE QUANTITIES OF WATER. SMALL SPILLS: SPILLED MATERIAL MAY BE ABSORBED INTO AN APPROPRIATE ABSORBANT. PREVENT SPILLED LIQUID FROM ENTERING SEWERS, STORM DRAINS, OTHER UNAUTHORIZED TREATMENT/DRAINAGE SYSTEMS AND NATURAL WATERWAYS. NOTIFY APPROPRIATE STATE/LOCAL AGENCIES.

WASTE DISPOSAL METHOD:

DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

KEEP CONTAINERS COOL AND DRY. USE AND STORE THIS PRODUCT WITH ADEQUATE VENTILATION (SEE SECTION IV). KEEP PRODUCT CONTAINERS CLOSED WHEN NOT IN USE. AVOID SUBJECTING THIS PRODUCT TO EXTREME TEMPERATURE VARIATIONS AND FREEZING. SHOCKING EMULSIONS WITH LARGE QUANTITIES OF CHEMICALS OR EXTREME SHEAR MAY CAUSE COAGULATION. CAREFUL HANDLING PRACTICES SHOULD BE EXERCISED AND UNNECESSARY EXPOSURE AVOIDED. DO NOT WEAR SATURATED CLOTHING OR SHOES.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

RESPIRATORY PROTECTION MAY BE NECESSARY.

VENTILATION:

IF CURRENT VENTILATION PRACTICES ARE NOT ADEQUATE TO MINIMIZE EXPOSURE, ADDITIONAL VENTILATION OR EXHAUST SYSTEMS MAY BE REQUIRED.

SKIN PROTECTION:

FOR BRIEF CONTACT, NO PRECAUTIONS OTHER THAN CLEAN BODY-COVERING CLOTHING SHOULD BE NEEDED. USE IMPERVIOUS GLOVES WHEN PROLONGED OR FREQUENTLY REPEATED CONTACT MIGHT OCCUR

EYE PROTECTION:

USE SPLASH PROOF CHEMICAL GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS.

OTHER RECOMMENDED PROTECTIVE MEASURES:

IT IS SUGGESTED THAT A SOURCE OF CLEAN WATER BE AVAILABLE IN THE WORK AREA FOR FLUSHING EYES AND SKIN. IMPERVIOUS CLOTHING SHOULD BE WORN AS NEEDED.



MATERIAL SAFETY DATA SHEET

AQUANAUT II GLOSS ACRYLIC EN. W.T.B.

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RECOMMENDED HYGIENIC PRACTICES:

WASH HANDS AND ARMS WITH SOAP AND WATER PRIOR TO EATING, DRINKING, SMOKING OR USING THE LAVATORY.

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