



MATERIAL SAFETY DATA SHEET

PE-70 & RC-70 EPOXY AQUAWHITE PART A

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5/31/2011

PRODUCT NAME: PE-70 & RC-70 EPOXY AQUAWHITE PART A HMIS CODES: H F R P
PRODUCT CODE: A-1870 1 3 0 G

SECTION I - MANUFACTURERS IDENTIFICATION

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

EMERGENCY PHONE: 1-800-424-9300 INFORMATION PHONE: (205) 324-9584
DATE PRINTED: 5/31/2011

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP		WEIGHT PERCENT
DIGLYCIDYL ETHER OF BISPHENYL A NONE ESTABLISHED	25068-38-6	N/A	n/a	30 - 35%
! TITANIUM DIOXIDE TLV/TWA=10 MG/M3 TOTAL DUST OR 5 MG/M3 (NUISANCE DUST)	13463-67-7	N/A		30 - 35%
! MICROCRYSTALLINE SILICA 98.5-99.0% PEL-TLV/TWA=0.1 MG/M3 (RESPIRABLE DUST)	14808-60-7	N/A		16.82
n-BUTYL ACETATE TLV/TWA 150 PPM TLV/STEL 200 PPM	123-86-4	8.4	68 F	10 - 15%
METHYL ETHYL KETONE ACGIH TLV/TWA=200 PPM, ACGIH TLV/STEL=300 PPM	78-93-3	70	20 C	< 5%
XYLENE (MIXED ISOMERS) PEL/TWA=100PPM, TLV/TWA=100PPM, TLV/STEL=150PPM 75% DIMETHYLBENZENE CAS 1330-20-7 25% ETHYLBENZENE CAS 100-41-4		5.1	68 F	< 5%
ISOPROPANOL OSHA PEL/TWA=400 PPM, ACGIH TLV/TWA=400 PPM	67-63-0	33	20 F	< 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.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 175 F - 279 F

DENSITY: 13.792 lb/gl

VAPOR DENSITY: HEAVIER THAN AIR.

EVAPORATION RATE: SLOWER THAN DIETHYL ETHER.

COATING VOC (Water Excluded): 1.83 lb/gl, 220 g/l

SOLUBILITY IN WATER: VERY SLIGHTLY SOLUBLE.

APPEARANCE AND ODOR:

Opaque, Viscous liquid. Aromatic Hydrocarbon and Ketone solvent odors.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 24 F

METHOD USED: TCC

FLAMMABLE LIMITS IN AIR BY VOLUME-LOWER: 1.0

UPPER: 15

EXTINGUISHING MEDIA:

CARBON DIOXIDE, FOAM, DRY CHEMICAL, WATER SPRAY.

SPECIAL FIREFIGHTING PROCEDURES:

USE SELF CONTAINED BREATHING APPARATUS. WATER SHOULD BE USED AS A FOG ONLY, TO KEEP CONTAINERS COOL IN ORDER TO MINIMIZE PRESSURE BUILDUP AND EXPLOSION.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

THIS MATERIAL IS FLAMMABLE AND MAY BE IGNITED BY HEAT, SPARKS, FLAME AND OTHER SOURCES OF IGNITION (E.G. STATIC ELECTRICITY, PILOT LIGHTS, MECHANICAL/ELECTRICAL EQUIPMENT). VAPORS MAY TRAVEL CONSIDERABLE DISTANCES TO A SOURCE OF IGNITION WHERE THEY MAY IGNITE, FLASHBACK OR EXPLODE. VAPORS ARE HEAVIER THAN AIR AND MAY ACCUMULATE IN LOW AREAS, WHERE THEY MAY REACH IGNITABLE CONCENTRATIONS THOUGH THE TEMPERATURE MAY REMAIN BELOW THE FLASH POINT. IF CONTAINER IS NOT PROPERLY COOLED, IT MAY EXPLODE IN THE HEAT OF A FIRE.

SECTION V - REACTIVITY DATA

STABILITY: STABLE UNDER NORMAL CONDITIONS OF STORAGE AND HANDLING.

CONDITIONS TO AVOID:

AVOID HEAT, SPARKS, FLAME AND OTHER POSSIBLE IGNITION SOURCES.

INCOMPATIBILITY (MATERIALS TO AVOID):

AVOID CONTACT WITH STRONG OXIDIZING AGENTS. MIXING WITH STRONG LEWIS OR MINERAL ACIDS AND STRONG MINERAL AND ORGANIC BASES, ESPECIALLY PRIMARY AND SECONDARY ALIPHATIC AMINES, CAN CAUSE GENERATION OF CONSIDERABLE HEAT.

HAZARDOUS DECOMPOSITION BYPRODUCTS:

CARBON MONOXIDE, ALDEHYDES AND ACIDS AND OTHER ORGANIC COMPOUNDS MAY BE FORMED DURING COMBUSTION.

HAZARDOUS POLYMERIZATION:
WILL NOT OCCUR.

SECTION VI - HEALTH HAZARD DATA

SKIN CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:
CAN DRY AND DEFAT SKIN CAUSING CRACKS, IRRITATION AND DERMATITIS.

EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:
CAN CAUSE SEVERE IRRITATION, TEARING, REDNESS AND BLURRED VISION.

SENSITIZATION:
POTENTIAL SKIN SENSITIZER.

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:
EARLY MODERATE CENTRAL NERVOUS SYSTEM DEPRESSION AS EVIDENCED BY GIDDINESS, HEADACHE, DIZZINESS AND NAUSEA. IN EXTREME CASES, UNCONSCIOUSNESS AND DEATH MAY OCCUR.

ORAL INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:
CAN CAUSE GASTROINTESTINAL IRRITATION, VOMITING, NAUSEA, AND DIARRHEA.

EFFECTS OF OVEREXPOSURE:
INHALATION:
DIZZINESS, BREATHING DIFFICULTY, HEADACHES, LOSS OF COORDINATION.

EYE CONTACT:
SEVERE IRRITATION, TEARING, REDNESS, AND BLURRED VISION.

SKIN CONTACT:
CAN DRY AND DEFAT SKIN CAUSING CRACKS, IRRITATION AND DERMATITIS.

INGESTION:
CAN CAUSE GASTROINTESTINAL IRRITATION, VOMITING, NAUSEA, AND DIARRHEA.

CARCINOGENICITY: NTP?NO. IARC MONOGAPHS?NO.

OSHA REGULATED?YES.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:
ALLERGY, ECZEMA, ASTHMA, OTHER SKIN CONDITIONS.

EMERGENCY AND FIRST AID PROCEDURES:
EYE CONTACT:
IRRIGATE WITH FLOWING WATER IMMEDIATELY AND CONTINUOUSLY FOR 15 MINUTES.
CONSULT MEDICAL PERSONNEL.

SKIN CONTACT:
IMMEDIATELY REMOVE CONTAMINATED CLOTHING. WASH CLOTHING BEFORE REUSE. WASH OFF WITH SOAP AND FLOWING WATER OR SHOWER. IF SKIN IRRITATION PERSISTS, SEE A PHYSICIAN.

INGESTION:

DO NOT INDUCE VOMITING. CALL A PHYSICIAN AND/OR TRANSPORT TO A MEDICAL FACILITY IMMEDIATELY.

INHALATION OVEREXPOSURE:

REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE MOUTH-TO-MOUTH RESUSCITATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

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

REMOVE ALL SOURCES OF IGNITION. PROVIDE EXPLOSION PROOF VENTILATION. DIKE SPILL AREA AND TAKE UP ON ABSORBENT MATERIAL. SHOVEL WITH NON-SPARKING TOOLS INTO CLOSABLE CONTAINER FOR DISPOSAL. WEAR PROTECTIVE EQUIPMENT SPECIFIED BELOW. THOROUGHLY FLUSH CONTAMINATED AREA WITH WATER.

WASTE DISPOSAL METHOD:

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

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. AVOID BREATHING VAPOR, MIST OR SPRAY. USE ONLY WITH GOOD VENTILATION. WASH AFTER HANDLING. STORE IN CLOSED CONTAINERS IN COOL, WELL VENTILATED AREA.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

ATMOSPHERIC CONCENTRATIONS SHOULD BE MAINTAINED BELOW THE THRESHOLD LIMIT GUIDELINES PROVIDED. WHEN THESE CONCENTRATIONS CANNOT BE MAINTAINED, RESPIRATORY PROTECTION IS REQUIRED. USE NIOSH/MSA APPROVED CHEMICAL/MECHANICAL FILTERS DESIGNED TO REMOVE A COMBINATION OF PARTICULATE, GASEOUS AND VAPOR MATERIALS. IN CONFINED AREAS, USE A NIOSH/MSA APPROVED POSITIVE-PRESSURE, SELF-CONTAINED BREATHING APPARATUS. WEAR RESPIRATORY PROTECTION SUCH AS NIOSH/MSHA TC-21C-132 DUST/MIST RESPIRATOR WHEN SANDING, GRINDING, BLASTING OR CUTTING THE DRY FILM OF THIS MATERIAL.

VENTILATION:

WHERE POSSIBLE, PROVIDE GENERAL AND/OR LOCAL EXHAUST VENTILATION TO CONTROL AIRBORNE LEVELS BELOW THE THRESHOLD LIMIT VALUES.

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:

USE IMPERMEABLE CLOTHING, APRONS AND PROTECTIVE COVERING WHENEVER POSSIBLE TO PREVENT SKIN CONTACT. WEAR HEAD COVERING WHENEVER POSSIBLE.

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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PE-70 & RC-70 EPOXY TAN PART A

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HMIS CODES: H F R P
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! MICROCRYSTALLINE SILICA 98.5-99.0% PEL-TLV/TWA=0.1 MG/M3 (RESPIRABLE DUST)	14808-60-7	N/A		15.71
n-BUTYL ACETATE TLV/TWA 150 PPM TLV/STEL 200 PPM	123-86-4	8.4	68 F	10 - 15%
CALCIUM SILICATE				5 - 10%
METHYL ETHYL KETONE ACGIH TLV/TWA=200 PPM, ACGIH TLV/STEL=300 PPM	78-93-3	70	20 C	< 5%
! IRON OXIDE HYDRATE TLV=5 MG/M3 RESPIRABLE (NUISANCE DUST), 15 MG/M3 TOTAL DUST	51274-00-1	N/A	N/A	< 5%
XYLENE (MIXED ISOMERS) PEL/TWA=100PPM, TLV/TWA=100PPM, TLV/STEL=150PPM 75% DIMETHYLBENZENE CAS 1330-20-7 25% ETHYLBENZENE CAS 100-41-4		5.1	68 F	< 5%
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BOILING RANGE: 175 F - 279 F **DENSITY:** 13.687 lb/gl

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EVAPORATION RATE: SLOWER THAN DIETHYL ETHER.

COATING VOC (Water Excluded): 1.82 lb/gl, 219 g/l

SOLUBILITY IN WATER: VERY SLIGHTLY SOLUBLE.

APPEARANCE AND ODOR:

Opaque, Viscous liquid. Aromatic Hydrocarbon and Ketone solvent odors.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 24 F **METHOD USED:** TCC

FLAMMABLE LIMITS IN AIR BY VOLUME-LOWER: 1.0 **UPPER:** 15

EXTINGUISHING MEDIA:

CARBON DIOXIDE, FOAM, DRY CHEMICAL, WATER SPRAY.

SPECIAL FIREFIGHTING PROCEDURES:

USE SELF CONTAINED BREATHING APPARATUS. WATER SHOULD BE USED AS A FOG ONLY, TO KEEP CONTAINERS COOL IN ORDER TO MINIMIZE PRESSURE BUILDUP AND EXPLOSION.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

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SECTION V - REACTIVITY DATA

STABILITY: STABLE UNDER NORMAL CONDITIONS OF STORAGE AND HANDLING.

CONDITIONS TO AVOID:

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INCOMPATIBILITY (MATERIALS TO AVOID):

AVOID CONTACT WITH STRONG OXIDIZING AGENTS. MIXING WITH STRONG LEWIS OR MINERAL ACIDS AND STRONG MINERAL AND ORGANIC BASES, ESPECIALLY PRIMARY AND SECONDARY ALIPHATIC AMINES, CAN CAUSE GENERATION OF CONSIDERABLE HEAT.

HAZARDOUS DECOMPOSITION BYPRODUCTS:

CARBON MONOXIDE, ALDEHYDES AND ACIDS AND OTHER ORGANIC COMPOUNDS MAY BE FORMED DURING COMBUSTION.

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR.

SECTION VI - HEALTH HAZARD DATA

SKIN CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

CAN DRY AND DEFAT SKIN CAUSING CRACKS, IRRITATION AND DERMATITIS.

EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

CAN CAUSE SEVERE IRRITATION, TEARING, REDNESS AND BLURRED VISION.

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EFFECTS OF OVEREXPOSURE:

INHALATION:

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OSHA REGULATED?YES.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

ALLERGY, ECZEMA, ASTHMA, OTHER SKIN CONDITIONS.

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT:

IRRIGATE WITH FLOWING WATER IMMEDIATELY AND CONTINUOUSLY FOR 15 MINUTES.
CONSULT MEDICAL PERSONNEL.

SKIN CONTACT:

IMMEDIATELY REMOVE CONTAMINATED CLOTHING. WASH CLOTHING BEFORE REUSE. WASH OFF WITH SOAP AND FLOWING WATER OR SHOWER. IF SKIN IRRITATION PERSISTS, SEE A PHYSICIAN.

INGESTION:

DO NOT INDUCE VOMITING. CALL A PHYSICIAN AND/OR TRANSPORT TO A MEDICAL FACILITY IMMEDIATELY.

INHALATION OVEREXPOSURE:

REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE MOUTH-TO-MOUTH RESUSCITATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN.

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

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SECTION VIII - SPECIAL PROTECTION INFORMATION

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VENTILATION:

WHERE POSSIBLE, PROVIDE GENERAL AND/OR LOCAL EXHAUST VENTILATION TO CONTROL AIRBORNE LEVELS BELOW THE THRESHOLD LIMIT VALUES.

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

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

OTHER RECOMMENDED PROTECTIVE MEASURES:

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PE-70 & RC-70 EPOXY GRAY PART A

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PRODUCT CODE: H-8770

HMIS CODES: H F R P
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METHYL ETHYL KETONE ACGIH TLV/TWA=200 PPM, ACGIH TLV/STEL=300 PPM	78-93-3	70	20 C	< 5%
! BLACK IRON OXIDE TLV=15 MG/M3 (NUISANCE DUST)	1317-61-9	N/A	N/A	< 5%
XYLENE (MIXED ISOMERS) PEL/TWA=100PPM, TLV/TWA=100PPM, TLV/STEL=150PPM 75% DIMETHYLBENZENE CAS 1330-20-7 25% ETHYLBENZENE CAS 100-41-4		5.1	68 F	< 5%
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SEVERE IRRITATION, TEARING, REDNESS, AND BLURRED VISION.

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CAN DRY AND DEFAT SKIN CAUSING CRACKS, IRRITATION AND DERMATITIS.

INGESTION:

CAN CAUSE GASTROINTESTINAL IRRITATION, VOMITING, NAUSEA, AND DIARRHEA.

CARCINOGENICITY: NTP?NO.

IARC MONOGAPHS?NO.

OSHA REGULATED?YES.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

ALLERGY, ECZEMA, ASTHMA, OTHER SKIN CONDITIONS.

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT:

IRRIGATE WITH FLOWING WATER IMMEDIATELY AND CONTINUOUSLY FOR 15 MINUTES.
CONSULT MEDICAL PERSONNEL.

SKIN CONTACT:

IMMEDIATELY REMOVE CONTAMINATED CLOTHING. WASH CLOTHING BEFORE REUSE. WASH OFF WITH SOAP AND FLOWING WATER OR SHOWER. IF SKIN IRRITATION PERSISTS, SEE A PHYSICIAN.

INGESTION:

DO NOT INDUCE VOMITING. CALL A PHYSICIAN AND/OR TRANSPORT TO A MEDICAL FACILITY IMMEDIATELY.

INHALATION OVEREXPOSURE:

REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE MOUTH-TO-MOUTH RESUSCITATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

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

REMOVE ALL SOURCES OF IGNITION. PROVIDE EXPLOSION PROOF VENTILATION. DIKE SPILL AREA AND TAKE UP ON ABSORBENT MATERIAL. SHOVEL WITH NON-SPARKING TOOLS INTO CLOSABLE CONTAINER FOR DISPOSAL. WEAR PROTECTIVE EQUIPMENT SPECIFIED BELOW. THOROUGHLY FLUSH CONTAMINATED AREA WITH WATER.

WASTE DISPOSAL METHOD:

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

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. AVOID BREATHING VAPOR, MIST OR SPRAY. USE ONLY WITH GOOD VENTILATION. WASH AFTER HANDLING. STORE IN CLOSED CONTAINERS IN COOL, WELL VENTILATED AREA.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

ATMOSPHERIC CONCENTRATIONS SHOULD BE MAINTAINED BELOW THE THRESHOLD LIMIT GUIDELINES PROVIDED. WHEN THESE CONCENTRATIONS CANNOT BE MAINTAINED, RESPIRATORY PROTECTION IS REQUIRED. USE NIOSH/MSA APPROVED CHEMICAL/MECHANICAL FILTERS DESIGNED TO REMOVE A COMBINATION OF PARTICULATE, GASEOUS AND VAPOR MATERIALS. IN CONFINED AREAS, USE A NIOSH/MSA APPROVED POSITIVE-PRESSURE, SELF-CONTAINED BREATHING APPARATUS. WEAR RESPIRATORY PROTECTION SUCH AS NIOSH/MSHA TC-21C-132 DUST/MIST RESPIRATOR WHEN SANDING, GRINDING, BLASTING OR CUTTING THE DRY FILM OF THIS MATERIAL.

VENTILATION:

WHERE POSSIBLE, PROVIDE GENERAL AND/OR LOCAL EXHAUST VENTILATION TO CONTROL AIRBORNE LEVELS BELOW THE THRESHOLD LIMIT VALUES.

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:

USE IMPERMEABLE CLOTHING, APRONS AND PROTECTIVE COVERING WHENEVER POSSIBLE TO PREVENT SKIN CONTACT. WEAR HEAD COVERING WHENEVER POSSIBLE.

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

PE-70 & RC-70 EPOXY RED PART A

PRODUCT NAME: PE-70 & RC-70 EPOXY RED PART A
PRODUCT CODE: H-6370

HMIS CODES: H F R P
1 3 0 G

SECTION I - MANUFACTURERS IDENTIFICATION

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

EMERGENCY PHONE: 1-800-424-9300 INFORMATION PHONE: (205) 324-9584
DATE PRINTED: 5/31/2011

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP		WEIGHT PERCENT
DIGLYCIDYL ETHER OF BISPHENYL A NONE ESTABLISHED	25068-38-6	N/A	n/a	30 - 35%
! MICROCRYSTALLINE SILICA 98.5-99.0% PEL-TLV/TWA=0.1 MG/M3 (RESPIRABLE DUST)	14808-60-7	N/A		26.03
n-BUTYL ACETATE TLV/TWA 150 PPM TLV/STEL 200 PPM	123-86-4	8.4	68 F	10 - 15%
CALCIUM SILICATE				5 - 10%
! IRON OXIDE TLV= 5 MG/M3 RESPIRABLE (NUISANCE DUST), 15 MG/M3 TOTAL DUST	1332-37-2	N/A	N/A	5 - 10%
! IRON OXIDE HYDRATE TLV=5 MG/M3 RESPIRABLE (NUISANCE DUST), 15 MG/M3 TOTAL DUST	51274-00-1	N/A	N/A	5 - 10%
METHYL ETHYL KETONE ACGIH TLV/TWA=200 PPM, ACGIH TLV/STEL=300 PPM	78-93-3	70	20 C	< 5%
! BLACK IRON OXIDE TLV=15 MG/M3 (NUISANCE DUST)	1317-61-9	N/A	N/A	< 5%
XYLENE (MIXED ISOMERS) PEL/TWA=100PPM, TLV/TWA=100PPM, TLV/STEL=150PPM 75% DIMETHYLBENZENE CAS 1330-20-7 25% ETHYLBENZENE CAS 100-41-4		5.1	68 F	< 5%
ISOPROPRANOL OSHA PEL/TWA=400 PPM, ACGIH TLV/TWA=400 PPM	67-63-0	33	20 F	< 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.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING RANGE: 175 F - 279 F **DENSITY:** 13.15 lb/g1

VAPOR DENSITY: HEAVIER THAN AIR.

EVAPORATION RATE: SLOWER THAN DIETHYL ETHER.

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

SOLUBILITY IN WATER: VERY SLIGHTLY SOLUBLE.

APPEARANCE AND ODOR:

Opaque, Viscous liquid. Aromatic Hydrocarbon and Ketone solvent odors.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 24 F **METHOD USED:** TCC

FLAMMABLE LIMITS IN AIR BY VOLUME-LOWER: 1.0 **UPPER:** 15

EXTINGUISHING MEDIA:

CARBON DIOXIDE, FOAM, DRY CHEMICAL, WATER SPRAY.

SPECIAL FIREFIGHTING PROCEDURES:

USE SELF CONTAINED BREATHING APPARATUS. WATER SHOULD BE USED AS A FOG ONLY, TO KEEP CONTAINERS COOL IN ORDER TO MINIMIZE PRESSURE BUILDUP AND EXPLOSION.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

THIS MATERIAL IS FLAMMABLE AND MAY BE IGNITED BY HEAT, SPARKS, FLAME AND OTHER SOURCES OF IGNITION (E.G. STATIC ELECTRICITY, PILOT LIGHTS, MECHANICAL/ELECTRICAL EQUIPMENT). VAPORS MAY TRAVEL CONSIDERABLE DISTANCES TO A SOURCE OF IGNITION WHERE THEY MAY IGNITE, FLASHBACK OR EXPLODE. VAPORS ARE HEAVIER THAN AIR AND MAY ACCUMULATE IN LOW AREAS, WHERE THEY MAY REACH IGNITABLE CONCENTRATIONS THOUGH THE TEMPERATURE MAY REMAIN BELOW THE FLASH POINT. IF CONTAINER IS NOT PROPERLY COOLED, IT MAY EXPLODE IN THE HEAT OF A FIRE.

SECTION V - REACTIVITY DATA

STABILITY: STABLE UNDER NORMAL CONDITIONS OF STORAGE AND HANDLING.

CONDITIONS TO AVOID:

AVOID HEAT, SPARKS, FLAME AND OTHER POSSIBLE IGNITION SOURCES.

INCOMPATIBILITY (MATERIALS TO AVOID):

AVOID CONTACT WITH STRONG OXIDIZING AGENTS. MIXING WITH STRONG LEWIS OR MINERAL ACIDS AND STRONG MINERAL AND ORGANIC BASES, ESPECIALLY PRIMARY AND SECONDARY ALIPHATIC AMINES, CAN CAUSE GENERATION OF CONSIDERABLE HEAT.

HAZARDOUS DECOMPOSITION BYPRODUCTS:

CARBON MONOXIDE, ALDEHYDES AND ACIDS AND OTHER ORGANIC COMPOUNDS MAY BE FORMED DURING COMBUSTION.

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR.

SECTION VI - HEALTH HAZARD DATA

SKIN CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

CAN DRY AND DEFAT SKIN CAUSING CRACKS, IRRITATION AND DERMATITIS.

EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

CAN CAUSE SEVERE IRRITATION, TEARING, REDNESS AND BLURRED VISION.

SENSITIZATION:

POTENTIAL SKIN SENSITIZER.

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

EARLY MODERATE CENTRAL NERVOUS SYSTEM DEPRESSION AS EVIDENCED BY GIDDINESS, HEADACHE, DIZZINESS AND NAUSEA. IN EXTREME CASES, UNCONSCIOUSNESS AND DEATH MAY OCCUR.

ORAL INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

CAN CAUSE GASTROINTESTINAL IRRITATION, VOMITING, NAUSEA, AND DIARRHEA.

EFFECTS OF OVEREXPOSURE:

INHALATION:

DIZZINESS, BREATHING DIFFICULTY, HEADACHES, LOSS OF COORDINATION.

EYE CONTACT:

SEVERE IRRITATION, TEARING, REDNESS, AND BLURRED VISION.

SKIN CONTACT:

CAN DRY AND DEFAT SKIN CAUSING CRACKS, IRRITATION AND DERMATITIS.

INGESTION:

CAN CAUSE GASTROINTESTINAL IRRITATION, VOMITING, NAUSEA, AND DIARRHEA.

CARCINOGENICITY: NTP?NO.

IARC MONOGAPHS?NO.

OSHA REGULATED?YES.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

ALLERGY, ECZEMA, ASTHMA, OTHER SKIN CONDITIONS.

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT:

IRRIGATE WITH FLOWING WATER IMMEDIATELY AND CONTINUOUSLY FOR 15 MINUTES.
CONSULT MEDICAL PERSONNEL.

SKIN CONTACT:

IMMEDIATELY REMOVE CONTAMINATED CLOTHING. WASH CLOTHING BEFORE REUSE. WASH OFF WITH SOAP AND FLOWING WATER OR SHOWER. IF SKIN IRRITATION PERSISTS, SEE A PHYSICIAN.

INGESTION:

DO NOT INDUCE VOMITING. CALL A PHYSICIAN AND/OR TRANSPORT TO A MEDICAL FACILITY IMMEDIATELY.

INHALATION OVEREXPOSURE:

REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE MOUTH-TO-MOUTH RESUSCITATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CALL A PHYSICIAN.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

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

REMOVE ALL SOURCES OF IGNITION. PROVIDE EXPLOSION PROOF VENTILATION. DIKE SPILL AREA AND TAKE UP ON ABSORBENT MATERIAL. SHOVEL WITH NON-SPARKING TOOLS INTO CLOSABLE CONTAINER FOR DISPOSAL. WEAR PROTECTIVE EQUIPMENT SPECIFIED BELOW. THOROUGHLY FLUSH CONTAMINATED AREA WITH WATER.

WASTE DISPOSAL METHOD:

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

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

KEEP AWAY FROM HEAT, SPARKS AND OPEN FLAME. AVOID CONTACT WITH EYES, SKIN AND CLOTHING. AVOID BREATHING VAPOR, MIST OR SPRAY. USE ONLY WITH GOOD VENTILATION. WASH AFTER HANDLING. STORE IN CLOSED CONTAINERS IN COOL, WELL VENTILATED AREA.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

ATMOSPHERIC CONCENTRATIONS SHOULD BE MAINTAINED BELOW THE THRESHOLD LIMIT GUIDELINES PROVIDED. WHEN THESE CONCENTRATIONS CANNOT BE MAINTAINED, RESPIRATORY PROTECTION IS REQUIRED. USE NIOSH/MSA APPROVED CHEMICAL/MECHANICAL FILTERS DESIGNED TO REMOVE A COMBINATION OF PARTICULATE, GASEOUS AND VAPOR MATERIALS. IN CONFINED AREAS, USE A NIOSH/MSA APPROVED POSITIVE-PRESSURE, SELF-CONTAINED BREATHING APPARATUS. WEAR RESPIRATORY PROTECTION SUCH AS NIOSH/MSHA TC-21C-132 DUST/MIST RESPIRATOR WHEN SANDING, GRINDING, BLASTING OR CUTTING THE DRY FILM OF THIS MATERIAL.

VENTILATION:

WHERE POSSIBLE, PROVIDE GENERAL AND/OR LOCAL EXHAUST VENTILATION TO CONTROL AIRBORNE LEVELS BELOW THE THRESHOLD LIMIT VALUES.

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:

USE IMPERMEABLE CLOTHING, APRONS AND PROTECTIVE COVERING WHENEVER POSSIBLE TO PREVENT SKIN CONTACT. WEAR HEAD COVERING WHENEVER POSSIBLE.

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

RC-70 EPOXY ACTIVATOR PART B

PRODUCT NAME: RC-70 EPOXY ACTIVATOR PART B
PRODUCT CODE: Q-1870

HMIS CODES: H F R P
2 3 0 G

SECTION I - MANUFACTURERS IDENTIFICATION

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

EMERGENCY PHONE: 1-800-424-9300 INFORMATION PHONE: (205) 324-9584
DATE PRINTED: 5/31/2011

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP		WEIGHT PERCENT
! MICROCRYSTALLINE SILICA 98.5-99.0% PEL-TLV/TWA=0.1 MG/M3 (RESPIRABLE DUST)	14808-60-7	N/A		36.66
! TALC (HYDRATED MAGNESIUM SILICATE) TALC (NONASBESTIFORM) OSHA PEL=20 MPPCF, ACGIH TLV=2 MG/M3 (RESPIRABLE)	14807-96-6	N/A		15 - 20%
DIMER ACIDS REACTED WITH POLYAMINES NONE ESTABLISHED		N/A		15 - 20%
SOLVENT NAPHTHA, LIGHT AROMATIC TLV/TWA=50PPM	64742-95-6	2.7	68 F	10 - 15%
METHYL ETHYL KETONE ACGIH TLV/TWA=200 PPM, ACGIH TLV/STEL=300 PPM	78-93-3	70	20 C	5 - 10%
1-PROPANOL, 2-METHYL- PEL/TWA=50 PPM, TLV/TWA=50 PPM	78-83-1	8.8	20 F	< 5%
SOLUTION OF CALSIUM COMPLEX IN ETHANOL AND WATER NONE ESTABLISHED				1.88

* 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.

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

WILL NOT OCCUR.

SECTION VI - HEALTH HAZARD DATA

SKIN CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

CAN DRY AND DEFAT SKIN CAUSING CRACKS, IRRITATION AND DERMATITIS. CAN DRY AND DEFAT SKIN CAUSING CRACKS, IRRITATION AND DERMATITIS. PROLONGED CONTACT CAN CAUSE SEVERE SKIN BURNS

EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

CAN CAUSE SEVERE IRRITATION, TEARING, REDNESS AND BLURRED VISION. CAN CAUSE SEVERE IRRITATION OR BURNS. MAY CAUSE PERMANENT VISUAL IMPAIRMENT.

SENSITIZATION:

POTENTIAL SKIN SENSITIZER.

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

EARLY MODERATE CENTRAL NERVOUS SYSTEM DEPRESSION AS EVIDENCED BY GIDDINESS, HEADACHE, DIZZINESS AND NAUSEA. IN EXTREME CASES, UNCONSCIOUSNESS AND DEATH MAY OCCUR.

ORAL INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

CAN CAUSE GASTROINTESTINAL IRRITATION, VOMITING, NAUSEA, AND DIARRHEA. CAN CAUSE GASTROINTESTINAL IRRITATION, BURNS OR ULCERATION.

EFFECTS OF OVEREXPOSURE:

INHALATION:

DIZZINESS, BREATHING DIFFICULTY, HEADACHES, LOSS OF COORDINATION.

EYE CONTACT:

SEVERE IRRITATION, TEARING, REDNESS, AND BLURRED VISION. SEVERE BURNS AND PERMANENT VISUAL IMPAIRMENT.

SKIN CONTACT:

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CONSULT MEDICAL PERSONNEL.

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WHERE POSSIBLE, PROVIDE GENERAL AND/OR LOCAL EXHAUST VENTILATION TO CONTROL

AIRBORNE LEVELS BELOW THE THRESHOLD LIMIT VALUES.

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