

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

UPPER: N/A

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 WILL NOT SUSTAIN COMBUSTION UNLESS PREHEATED. 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, STRONG LEWIS OR MINERAL ACIDS, AND STRONG MINERAL AND ORGANIC BASES, ESPECIALLY PRIMARY AND SECONDARY ALIPHATIC AMINES. REACTIONS WITH SOME CURING AGENTS MAY PRODUCE CONSIDERABLE HEAT. RUN-A-WAY REACTIONS MAY CHAR AND DECOMPOSE THE PRODUCT, GENERATING UNIDENTIFIED FUMES AND VAPORS WHICH MAY BE TOXIC.

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:

THIS PRODUCT MAY BE MODERATELY IRRITATING TO THE SKIN.

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:

POTENTIAL SKIN SENSITIZER.

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

BREATHING HIGH CONCENTRATIONS OF AEROSOLS OF THIS MATERIAL MAY CAUSE IRRITATION

OF THE NOSE, THROAT AND RESPIRATORY TRACT. DUST FROM THIS MATERIAL MAY CONTAIN TRACE AMOUNTS OF CRYSTALLINE SILICA. FREQUENT INHALATION OF HIGH CONCENTRATIONS OF DRY DUST GENERATED BY SANDING, CUTTING, BLASTING OR GRINDING THIS MATERIAL OVER A LONG PERIOD OF TIME MAY CAUSE CANCER. RESPIRATORY SYMPTOMS ASSOCIATED WITH PRE-EXISTING LUNG DISORDERS (E.G., ASTHMA-LIKE CONDITIONS) MAY BE AGGRAVATED BY EXPOSURE TO DUST AND AEROSOLS OF 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:

DIZZINESS, BREATHING DIFFICULTY, HEADACHES, LOSS OF COORDINATION.

EYE CONTACT:

MODERATE IRRITATION, TEARING, REDNESS, AND BLURRED VISION.

SKIN CONTACT:

CAN CAUSE MODERATE IRRITATION AND DERMATITIS.

INGESTION:

MAY CAUSE IRRITATION OF THE DIGESTIVE TRACT.

CARCINOGENICITY: NTP?YES

IARC MONOGAPHS?YES

NOTE: DUST FROM THIS MATERIAL MAY CONTAIN TRACE AMOUNTS OF CRYSTALLINE SILICA. PERSONS IN THE IMMEDIATE VICINITY OF SANDING, CUTTING, BLASTING AND GRINDING OPERATIONS ON THE DRY FILM SHOULD WEAR RESPIRATORY PROTECTION. REFER TO THE RESPIRATORY PROTECTION SECTION OF THIS DOCUMENT.

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 HOLDING EYELIDS OPEN. CONSULT MEDICAL PERSONNEL.

SKIN CONTACT:

IMMEDIATELY REMOVE CONTAMINATED CLOTHING AND REMOVE EXCESS FROM SKIN. WASH OFF WITH SOAP AND FLOWING WATER OR SHOWER. WASH CLOTHING BEFORE REUSE. CONTAMINATED LEATHER ARTICLES, INCLUDING SHOES, CANNOT BE DECONTAMINATED AND SHOULD BE DISCARDED. IF SKIN IRRITATION OCCURS, SEE A PHYSICIAN.

INGESTION:

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

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:

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:

SKIN CONTACT SHOULD BE AVOIDED. USE IMPERVIOUS GLOVES AND LONG SLEEVED CLOTHING. USE APPROPRIATE BARRIER CREAMS ON EXPOSED SKIN.

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

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 WARRANTY, 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

E-BOND 100 PART B

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2/13/2006

PRODUCT NAME: E-BOND 100 PART B
PRODUCT CODE: Q-1008

HMIS CODES: H F R P

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: 2/13/2006

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

SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION

REPORTABLE COMPONENTS	CAS NUMBER	VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
MODIFIED AMIDE/AMIDAZOLINE NONE ESTABLISHED		4.38 70 F	53.5
NONREACTIVE DILUENT NONE ESTABLISHED	NONE	N/A	40.5
2,4,6-TRI (DIMETHYLAMINOMETHYL) PHENOL NONE ESTABLISHED	90-72-2	N/A	6.0

* 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: 450 DEG. F - 572 F DENSITY: 8.3 lb/g1
VAPOR DENSITY: HEAVIER THAN AIR.
EVAPORATION RATE: SLOWER THAN DIETHYL ETHER.
COATING VOC (Water Excluded): 0.0 lb/g1 ,0 g/1
SOLUBILITY IN WATER: INSOLUBLE.
APPEARANCE AND ODOR:

Opaque, viscous liquid. Aromatic Hydrocarbon solvent odors.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 215 DEG. F

METHOD USED: SETA

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

UPPER: N/A

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 WILL NOT SUSTAIN COMBUSTION UNLESS PREHEATED. 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 OXYDIZING AGENTS. AVOID BRINGING INTO CONTACT WITH LOW MOLECULAR WEIGHT EPOXY RESINS UNDER UNCONTROLLED HIGH TEMPERATURE CONDITIONS.

HAZARDOUS DECOMPOSITION BYPRODUCTS:

IGNITION MAY YIELD CARBON MONOXIDE, CARBON DIOXIDE AND OXIDES OF NITROGEN.

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR.

SECTION VI - HEALTH HAZARD DATA

SKIN CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

THIS MATERIAL MAY CAUSE SEVERE INJURY TO SKIN FOLLOWING PROLONGED OR REPEATED CONTACT AND MAY CAUSE SENSITATION OR OTHER ALLERGIC RESPONSES. A SINGLE PROLONGED EXPOSURE MAY RESULT IN MATERIAL BEING ABSORBED IN HARMFUL AMOUNTS.

EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

CAN QUICKLY CAUSE SEVERE IRRITATION OR BURNS. MAY CAUSE PERMANENT VISUAL IMPAIRMENT, AND ULTIMATELY, BLINDNESS.

SENSITIZATION:

POTENTIAL SKIN SENSITIZER.

INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

BREATHING HIGH CONCENTRATIONS OF AEROSOLS OF THIS MATERIAL MAY CAUSE IRRITATION OF THE NOSE, THROAT AND RESPIRATORY TRACT. DUST FROM THIS MATERIAL MAY CONTAIN TRACE AMOUNTS OF CRYSTALLINE SILICA. FREQUENT INHALATION OF HIGH CONCENTRATIONS OF DRY DUST GENERATED BY SANDING, CUTTING, BLASTING OR GRINDING THIS MATERIAL OVER A LONG PERIOD OF TIME MAY CAUSE CANCER. RESPIRATORY SYMPTOMS ASSOCIATED WITH PRE-EXISTING LUNG DISORDERS (E.G., ASTHMA-LIKE CONDITIONS) MAY BE AGGRAVATED BY EXPOSURE TO DUST AND AEROSOLS OF THIS MATERIAL.

ORAL INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:

WHILE THIS MATERIAL HAS A LOW DEGREE OF TOXICITY, INGESTION COULD CAUSE GASTROINTESTINAL IRRITATION OR ULCERATION. INGESTION MAY CAUSE BURNS OF THE MOUTH AND THROAT.

EFFECTS OF OVEREXPOSURE:

INHALATION:

DIZZINESS, BREATHING DIFFICULTY, HEADACHES, LOSS OF COORDINATION.

EYE CONTACT:

SEVERE IRRITATION, TEARING, REDNESS, AND BLURRED VISION.

SKIN CONTACT:

CONTACT WITH SKIN QUICKLY CAUSES SEVERE IRRITATION AND PAIN AND MAY CAUSE BURNS.

INGESTION:

CAN CAUSE GASTROINTESTINAL IRRITATION ,BURNS OR ULCERATION.

CARCINOGENICITY: NTP?YES

IARC MONOGAPHS?YES

NOTE: DUST FROM THIS MATERIAL MAY CONTAIN TRACE AMOUNTS OF CRYSTALLINE SILICA. PERSONS IN THE IMMEDIATE VICINITY OF SANDING, CUTTING, BLASTING AND GRINDING OPERATIONS ON THE DRY FILM SHOULD WEAR RESPIRATORY PROTECTION. REFER TO THE RESPIRATORY PROTECTION SECTION OF THIS DOCUMENT.

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 30 MINUTES. CONSULT MEDICAL PERSONNEL.

SKIN CONTACT:

IMMEDIATELY REMOVE CONTAMINATED CLOTHING AND REMOVE EXCESS FROM SKIN. WASH OFF WITH SOAP AND FLOWING WATER OR SHOWER. WASH CLOTHING BEFORE REUSE. CONTAMINATED LEATHER ARTICLES, INCLUDING SHOES, CANNOT BE DECONTAMINATED AND SHOULD BE DISCARDED. IF SKIN IRRITATION OCCURS, SEE A PHYSICIAN.

INGESTION:

DO NOT INDUCE VOMITING. ADMINISTER LARGE AMOUNTS OF WATER OR MILK IF AVAILABLE. CALL A PHYSICIAN AND/OR TRANSPORT TO A MEDICAL FACILITY IMMEDIATELY.

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.

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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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SKIN CONTACT SHOULD BE AVOIDED. USE IMPERVIOUS GLOVES AND LONG SLEEVED

CLOTHING. USE APPROPRIATE BARRIER CREAMS ON EXPOSED SKIN.

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