

MATERIAL SAFETY DATA SHEET

PRODUCT CODE: 811FP

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ARMORROOF A-811
PRODUCT CODES: ARM- 811FP

MANUFACTURER: ARMORPOXY
STREET ADDRESS: 939 LEHIGH AVE
CITY, STATE, ZIP: UNION NJ 07083

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PREPARED BY: Harry Jackson

DATE REVISED: 12/05/05

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OSHA STEL</u>	<u>WEIGHT %</u>
ACRYLIC POLYMER	UNKNOWN	NONE	NONE	NONE	
RESIDUAL MONOMERS	UNKNOWN	NONE	NONE	NONE	
AQUA AMMONIA	1336-21-6	5PPM	25PPM	25PPM	
WATER	7732-18-5	NONE	NONE	NONE	
PENTAPOTASSIUM TRIPHOSPHATE, KTPP	13845-36-8	NONE	NONE	NONE	
PETROLEUM DERIVATIVE AND OTHER ADDITIVES	UNKNOWN	NONE	NONE	NONE	
HYDROXYETHYL CELLULOSE	9004-62-0	10mg/m3	10mg/m3	NONE	
*ETHYLENE GLYCOL	107-21-1	50PPM	50PPM	50PPM	3
filler (the chemical identity is a trade secret)	NONE	10mg/m3	10mg/m3	5mg/m3	
pigment- (the chemical identity is a trade secret)	NONE	30mppcp	30mppcp	30mppcp	
PIGMENT	NON HAZARDOUS IN LIQUID FORM	10mg/m3	10mg/m3	5mg/m3	
FILLER-	NON HAZARDOUS IN LIQUID FORM	20mppcf	3mg/m3	NONE	
2,2,4-TRIME-1,3-PENTANEDIOL, MONOISOBU	25265-77-4	NONE	NONE	NONE	
*TETRACHLOROISOPHTHALALONITRILE	1897-45-6	NONE	NONE	NONE	0.09
AMORPHOUS SILICA	63231-67-4	5mg/m3	10mg/m3-8h		
Sodium salt of polymeric carboxylic acid /monomers	NONE	NONE	NONE	NONE	

*Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372. THE TWA (CEILING) FOR ETHYLENE GLYCOL FOR ACGIH= 50PPM

SECTION 3: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: LOW VISCOSITY LIQUID – WHITE – AMMONIA ODOR
BOILING POINT OR RANGE: 212F
VAPOR DENSITY (AIR = 1): N/A
SPECIFIC GRAVITY (H₂O = 1): 1.3
EVAPORATION RATE: N/A
SOLUBILITY IN WATER: DILUTABLE

SECTION 3 NOTES:

SECTION 4: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, (% by volume) **UPPER:** not available
LOWER: not available

FLASH POINT: >212F

METHOD USED:

SETA FLASH

EXTINGUISHING MEDIA:

OTHER

SPECIAL FIRE FIGHTING PROCEDURES:

MATERIAL WILL NOT BURN, BUT MAY SPLATTER ABOVE 212 DEGREES FARENHEIT. HOWEVER, THE POLYMER FILM WILL BURN, BUT WITHOUT GIVING OFF CHARRING BRANDS.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

NO UNUSUAL FIRE HAZARDS KNOWN.

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SECTION 4 NOTES:

SECTION 5: STABILITY AND REACTIVITY

STABILITY:

STABLE

CONDITIONS TO AVOID (STABILITY):

AVOID EXCESSIVE HEAT OR OPEN FLAMES.

INCOMPATIBILITY (MATERIAL TO AVOID):

NONE KNOWN

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:

CARBON MONOXIDE AND CARBON DIOXIDE

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR

SECTION 5 NOTES:

SECTION 6: HAZARDS IDENTIFICATION

HMIS HAZARD CLASSIFICATION

HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0 PERSONAL PROTECTIVE EQUIPMENT: G

POTENTIAL HEALTH EFFECTS

EYES:

MAY CAUSE IRRITATION BUT NO CORNEAL INJURY IS LIKELY. REPEATED EXPOSURE MAY CAUSE DRYNESS AND DEFATTING OF THE SKIN.

SKIN:

MAY CAUSE IRRITATION OR REDNESS AFTER EXPOSURE.

INGESTION:

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

INHALATION:

VAPORS MAY CAUSE HEADACHE, NAUSEA, NOSE IRRITATION. CONTAINS ETHYLENE GLYCOL WHICH CAN CAUSE LIVER ABNORMALITIES, KIDNEY DAMAGE, AND CENTRAL NERVOUS SYSTEM EFFECTS UPON OVEREXPOSURE.

HEALTH HAZARDS (ACUTE AND CHRONIC):

HEATED VAPORS MAY CAUSE HEADACHE, NAUSEA, OR SIMILAR RESPONSE. CHRONIC HEALTH HAZARDS ARE LIVER ABNORMALITIES, KIDNEY DAMAGE, AND CENTRAL NERVOUS SYSTEM EFFECTS.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:

RESPIRATORY CONDITIONS OR OTHER ALLERGIC RESPONSE.

CARCINOGENICITY

OSHA: NO NTP: NO IARC: YES

ADDITIONAL CARCINOGENICITY INFORMATION:

THIS PRODUCT CONTAINS SMALL AMOUNTS (LESS THAN 0.09%) OF CHLOROTHALONIL WHICH IS CLASSIFIED AS AN IARC CARCINOGEN.

SECTION 7: FIRST AID MEASURES

EYES:

FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES AND CONSULT A PHYSICIAN.

SKIN:

SKIN CONTACT WILL NORMALLY CAUSE NO MORE THAN IRRITATION BUT WASH AFFECTED AREA WITH SOAP AND WATER AND REMOVE CONTAMINATED CLOTHING PROMPTLY.

INGESTION:

DILUTE BY GIVING MILK OR WATER. CONSULT WITH A PHYSICIAN TO DETERMINE IF MEDICAL ASSISTANCE IS WARRANTED.

INHALATION:

REMOVE TO FRESH AIR IF EFFECTS PERSIST AND ADMINISTER OXYGEN IF NECESSARY.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 7 NOTES:

SECTION 8: RELEASE MEASURES

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

WEAR RESPIRATOR AND PROTECTIVE CLOTHING. SHUT OFF THE SOURCE AT THE LEAK. REMOVE EXCESS WITH VACUUM TRUCK AND TAKE UP THE REMAINDER WITH AN ABSORBANT SUCH AS CLAY AND PLACE IN DISPOSAL CONTAINERS. FLUSH AREA WITH WATER TO REMOVE RESIDUE.

SECTION 8 NOTES:

SECTION 9: WASTE DISPOSAL

WASTE DISPOSAL METHOD:

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DISPOSE OF THE MATERIAL IN A WASTE DISPOSAL SITE IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL LAWS.

SECTION 10: HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

STORE IN A COOL DRY PLACE. SEAL ALL PARTIALLY USED CONTAINERS. WASH WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. KEEP MATERIAL FROM FREEZING.

OTHER PRECAUTIONS:

AVOID ALL SKIN CONTACT. AVOID BREATHING VAPORS GENERATED FROM THE MATERIAL. OBSERVE CONDITIONS OF GOOD GENERAL HYGIENE AND SAFE WORKING PRACTICES. CONTAMINATED CLOTHING SHOULD BE CLEANED PRIOR TO REUSING.

SECTION 10 NOTES:

SECTION 11: EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION:

USE A NIOSH APPROVED RESPIRATOR AS REQUIRED TO PREVENT OVER-EXPOSURE TO VAPOR IN ACCORDANCE WITH 29 CFR 1910.134. GENERAL EXHAUST IS USUALLY SUFFICIENT IN LIEU OF NIOSH RESPIRATOR.

VENTILATION:

GENERAL EXHAUST IS USUALLY SUFFICIENT TO CONTROL VAPORS AND EXPOSURE HAZARDS.

PROTECTIVE GLOVES:

IMPERVIOUS GLOVES, NEOPRENE OR RUBBER.

EYE PROTECTION:

SPLASH PROOF GOGGLES OR SAFETY GLASSES WITH SIDE SHIELDS

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

WEAR BODY COVERING CLOTHING AND OTHER COVERINGS AS NECESSARY SUCH AS APRON AND APPROPRIATE FOOTWEAR TO AVOID CONTACT WITH MATERIAL.

WORK HYGIENIC PRACTICES:

OBSERVE GOOD GENERAL HYGIENIC PRACTICES.

SECTION 11 NOTES:

SECTION 12: DISCLAIMER

DISCLAIMER: The information Contained herein is based on the data available and is believed to be accurate, However, the manufacturer makes no warranty expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Accordingly, we assume no responsibility for injury from the use of this product.