ITEM: 3KY21 - PK10 Epoxy Fast Setting Amber 3.5g
ORDER: 0120465860
LP NUMBER: U855311430

MATERIAL SAFETY DATA SHEET (MSDS)

This MSDS should be attached or kept with the respective product with which it is associated.

SECTION I - PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: DOUBLE BUBBLE RED PACKAGE
HAZARD RATING:
- HEALTH: 2
- FIRE: REACTIVITY: 0
- PK:

COMPANY IDENTIFICATION:
ELEMENTS PERFORMANCE POLYMERS
600 COURTLAND STREET
BELLEVILLE, NJ 07109-3384

CONTACT: BRIAN RENFRO
TELEPHONE/FAX: (973) 751-3000

EMERGENCY PHONE (24 HOUR):
ENVIRONMENTAL SPECIALIST: (908) 424-9300

PREPARED:
B. RENFRO
ENVIRONMENTAL SPECIALIST

PRODUCT CLASS: EPOXY
TRADE NAME: PERMAFUSE MIX AND FIX
PRODUCT CODE: (04001) PART A

SECTION II - INGREDIENT AND HAZARD INFORMATION

HAZARDOUS INGREDIENTS
CAS NUMBER
ACETIC ACID N/N
ACETONE N/N
ACETYL N/N
ACETONE N/N
ACETONE N/N

TRADE SECRET
TRADE SECRET
TRADE SECRET
TRADE SECRET
TRADE SECRET

*** ALL INGREDIENTS IN THIS PRODUCT ARE LISTED IN THE T.S.C.A. INVENTORY

SECTION III - HAZARDS IDENTIFICATION

EYE CONTACT:
CAUTION!
CAN CAUSE MODERATE IRRITATION. MAY CAUSE SEVERE EYE INJURY. DAMAGE REVERSIBLE.

SKIN CONTACT:
CAUTION!
MODERATELY IRRITATING TO THE SKIN. PROLONGED OR REPEATED EXPOSURE MAY RESULT IN INSENSITIZATION AND RASH. NOT LIKELY TO BE ABSORBED THROUGH SKIN IN TOXIC AMOUNTS.

INHALATION:
EXHILITATION OR VAPOR COULD CAUSE HEADACHES, NAUSEA, DIZZINESS AND RESPIRATORY TRACT IRRITATION.

INGESTION:
EXPECTED TO BE SLIGHTLY TOXIC BY THIS ROUTE.

HEALTH HAZARD INFORMATION:
CARCINOGENICITY:
THE MATERIALS USED IN THE MANUFACTURE OF THIS PRODUCT ARE NOT FOUND ON THE OSHA, EPA OR PBT LIST OF CARCINOGENS.

SECTION IV - FIRST AID MEASURES

EYE CONTACT:
FLUSH EYES WITH PLenty OF WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. GET IMMEDIATE MEDICAL ATTENTION.

SKIN CONTACT:
REMOVE CONTAMINATED CLOTHING AND WASH EXPOSED SKIN WITH WATER. FOLLOW BY WASHING WITH SOAP AND WATER. IF IRRITATION OCCURS, GET MEDICAL ATTENTION. LAUNDER CONTAMINATED CLOTHING. DESTROY LEATHER ARTICLES INCLUDING SHOES.

INHALATION:
REMOVE PERSON TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GET IMMEDIATE MEDICAL ATTENTION.

SECTION V - FIRE-FIGHTING MEASURES

FLAMMABILITY CLASS: III B
FLASH RANGE: NOT AVAILABLE
FLUENCY MASTERS CLOSED CUP ASTM D 93
575F
EXPLOSIVE RANGE: NOT AVAILABLE

FIRE-FIGHTING MEASURES:
WATER FOAM, DRY CHEMICAL, CARBON DIOXIDE. DO NOT ENTER CONFINED FIRE SPACE WITHOUT FULL BREATHING CBR. WEAR A FACE SHIELD, HEAVY COATS, GLOVES AND RUBBER BOOTS. INCLUDING A POSITIVE AIR PRESSURE RESPIRATOR AND SELF-CONTAINED BREATHING APPARATUS (SCBA). COOL FIRE EXPOSED CONTAINERS WITH WATER.

SECTION VI - ACCIDENTAL RELEASE MEASURES

SPILLS:
ASSURE LIQUID MATERIAL AND PLACE IN CONTAINER FOR DISPOSAL. COMPLY WITH STATE, LOCAL, AND FEDERAL EPA REGULATIONS.

SECTION VII - HANDLING AND STORAGE

STORAGE CONDITIONS:
STORE IN A COOL, DRY PLACE. KEEP AWAY FROM OPEN FLAMES AND HIGH TEMPERATURES.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS:
ACUTE TLV TLV-C STEL STEL STEL STEL STEL
TRADE SECRET N/RST N/RST N/RST N/RST N/RST
TRADE SECRET N/RST N/RST N/RST N/RST N/RST

PERSONAL PROTECTIVE EQUIPMENT:

SELF-CONTAINED BREATHING APPARATUS IN HIGH CONCENTRATIONS. LOCAL EXHAUST IS RECOMMENDED.

USE CHEMICAL RESISTANT PROTECTIVE GLOVES, CHEMICAL SPLASH GOGGLES, CHEMICAL RESISTANT PROTECTIVE CLOTHING TO MINIMIZE EXPOSURE. CHEMICAL SPLASH GOGGLES, FULL FACE SHIELD. EYE WASH STATION AND SAFETY SHOWER SHOULD BE AVAILABLE FOR EMERGENCY USE.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

FORM: LIQUID
APPEARANCE/COLOR: TRANSPARENT/LT AMBER
ODOR: MILD
BOILING RANGE: NOT AVAILABLE
VAPOR PRESSURE (100%) : NOT AVAILABLE
MELTING POINT: NOT APPLICABLE
EVAPORATION RATE: UNAVAILABLE
VAPOR DENSITY: NOT AVAILABLE
SPECIFIC GRAVITY: 1.19

OTHER INFORMATION:
VOC: 5.04 g/Liter

SECTION X - STABILITY AND REACTIVITY

STABILITY:
THIS PRODUCT IS STABLE.

HAZARDOUS POLYMERIZATION:
HAZARDOUS POLYMERIZATION WILL NOT OCCUR

SECTION XI - TOXICOLOGICAL INFORMATION

IMMUNOTOXICITY:
OXIDIZING AGENTS, STRONG MINERAL ACIDS, STRONG LIMES ACIDS, Bases, MERCAPTANS, ALCOHOLS.

CONDITIONS TO AVOID:
HIGH TEMPERATURES.

HAZARDOUS DECOMPOSITION PRODUCTS:
CARBON MONOXIDE, CARBON DIOXIDE, ALDEHYDES, ACID.
PRODUCT MAY PRODUCE FUMES UNDER FIRE CONDITIONS.
SECTION II - INGREDIENT AND HAZARD INFORMATION

HAZARDOUS INGREDIENTS
TRADE SECRET TRADE SECRET
TRADE SECRET TRADE SECRET
TRADE SECRET TRADE SECRET

ALL INGREDIENTS IN THIS PRODUCT ARE LISTED IN THIS SECTION.

SECTION III - HAZARDS IDENTIFICATION

EYE CONTACT:
Corrosive to the eyes and may cause severe damage including blindness.
Vapors may be irritating.

SKIN CONTACT:
May cause burns. Skin Irritation, Corrosive on prolonged contact. Slightly toxic by skin absorption.

INHALATION:
Slightly toxic. Can cause irritation of respiratory tract. Over exposure to vapor or fumes may cause delayed lung damage and chemical pneumonitis.

INGESTION:
Slightly toxic. Ingestion may cause fatigue, muscular weakness, nausea, vomiting and irritation of gastro-intestinal tract.

USE TO PHYSICIAN:
Gastric lavage may be considered depending on degree of mucosal damage. Treatment for shock, respiratory depression and convulsions may be necessary.

OVER-EXPOSURE HEALTH HAZARD INFORMATION:
Acute, severe injury to skin, eyes, respiratory and gastrointestinal tracts. Prolonged exposure may be associated with lung damage, chemical pneumonitis.

SCHEDULE & NUMBER:
3506.91.0000 IS THE SCHEDULE B REPORT CLASSIFICATION NUMBER.

SECTION IV - REGULATORY INFORMATION

TSCA STATUS:
ALL INGREDIENTS SHOWN ARE ON THE TSCA INVENTORY.

DISCLAIMER:
THE INFORMATION AND RECOMMENDATIONS SET FORTH HEREIN (HEREAFTER "INFORMATION") ARE BASED ON GOOD FAITH AND BELIEF TO BE ACCURATE AS OF THE DATE HEREOF. ELEMENTS PERFORMANCE POLYMERS MAKES NO REPRESENTATIONS AS TO THE ACCURACY OR COMPLETENESS THEREOF. INFORMATION IS SUPPLIED UPON THE CONDITION THAT THE PERSONS RECEIVING SAME WILL MAKE THEIR OWN DETERMINATION AS TO ITS SUITABILITY FOR THEIR PURPOSES PRIOR TO USE. IN NO EVENT WILL ELEMENTS PERFORMANCE POLYMERS BE RESPONSIBLE FOR DAMAGES OF ANY NATURE WHATSOEVER RESULTING FROM THE USE OF OR RELIANCE UPON INFORMATION. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.

SECTION V - FIRE-FIGHTING MEASURES

FLAMMABILITY CLASS: III B

EXPLOSIVE RATING: NOT AVAILABLE

FIRE-FIGHTING MEASURES:
WATER FOG, DRY CHEMICAL, FOAM, CARBON DIOXIDE. DO NOT ENTER CONFINED SPACE WITHOUT FULL HERNET GEAR (HELMET WITH FACE SHIELD, HUNTER CURVES, GLOVES AND RUBBER BOOTS). INCLUDING A POSITIVE PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA). COOL FIRE EXPOSED CONTAINERS WITH WATER.

SECTION VI - ACCIDENTAL RELEASE MEASURES

SPILLS:
ASSURE LIQUID MATERIAL AND PLACE IN CONTAINER FOR DISPOSAL. COMPLY WITH LOCAL, STATE, AND FEDERAL EPA REGULATIONS.

SECTION VII - HANDLING AND STORAGE

STORAGE CONDITIONS:
STORE IN A COOL, DRY PLACE. KEEP AWAY FROM OPEN FLAMES AND HIGH TEMPERATURES.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS:
ACGIH TWA ACGIH TLV = ACGI STEEL. OSHA STEEL. OSHA PEL.
TRADE SECRET N/EST N/EST N/EST N/EST N/EST
TRADE SECRET N/EST N/EST N/EST N/EST N/EST

PERSONAL PROTECTIVE EQUIPMENT:
IN THE ABSENCE OF OTHER INDICATIONS, WEAR A RESPIRATOR APPROVED BY NIOSH OR EPA. WHENEVER EXPOSED TO FUMES OR VAPORS. CONSULT WITH OSHA 1910.134 (CPR) TO DETERMINE THE APPARATUS TO BE USED.

SECTION IX - REGULATORY INFORMATION

TSCA STATUS:
ALL INGREDIENTS SHOWN ARE ON THE TSCA INVENTORY.

DISCLAIMER:
THE INFORMATION AND RECOMMENDATIONS SET FORTH HEREIN (HEREAFTER "INFORMATION") ARE BASED ON GOOD FAITH AND BELIEF TO BE ACCURATE AS OF THE DATE HEREOF. ELEMENTS PERFORMANCE POLYMERS MAKES NO REPRESENTATIONS AS TO THE ACCURACY OR COMPLETENESS THEREOF. INFORMATION IS SUPPLIED UPON THE CONDITION THAT THE PERSONS RECEIVING SAME WILL MAKE THEIR OWN DETERMINATION AS TO ITS SUITABILITY FOR THEIR PURPOSES PRIOR TO USE. IN NO EVENT WILL ELEMENTS PERFORMANCE POLYMERS BE RESPONSIBLE FOR DAMAGES OF ANY NATURE WHATSOEVER RESULTING FROM THE USE OF OR RELIANCE UPON INFORMATION. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY NATURE ARE MADE HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.
SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

FORM: LIQUID
APPEARANCE/COLOR: TRANSPARENT AMBER
ODOR: MERCAPTAN
BOILING RANGE: NOT AVAILABLE
VAPOR PRESSURE (MMHG): NOT AVAILABLE
MELTING POINT: NOT APPLICABLE
EVAPORATIVE RATE: UNAVAILABLE
% VOLATILE: NOT AVAILABLE
SPECIFIC GRAVITY: 1.13
VOC: 35.25 GM/LITER*
OTHER INFORMATION:
* VOC CONTENT WAS TESTED VIA EPA METHOD 24

SECTION X - STABILITY AND REACTIVITY

STABILITY: THIS PRODUCT IS STABLE
HAZARDOUS POLYMERIZATION: HAZARDOUS POLYMERIZATION WILL NOT OCCUR
REACTIVITY:
INCOMPATIBILITY: OXIDIZING AGENTS, CLEANING SOLUTIONS SUCH AS CHROMIC ACID/ACETIC ACID, STRONG MINERAL AND LABORATORY ACIDS, HALOGENATED ORGANIC COMPOUNDS.
CONDITIONS TO AVOID: HIGH TEMPERATURES.
VAPOR DECOMPOSITION PRODUCTS: CARBON MONOXIDE, CARBON DIOXIDE, NITROGEN OXIDES, AMMONIA, HYDROGEN SULFIDE, OXIDES OF SULFUR.

SECTION XI - TOXICOLOGICAL INFORMATION

LETHAL DOSE INFORMATION (PM) ORAL SKIN INHALATION LC50
TOXICOLOGICAL INFORMATION: NO INFORMATION IS AVAILABLE.

SECTION XII - ECOLOGICAL INFORMATION

NO INFORMATION IS AVAILABLE.

SECTION XIII - DISPOSAL CONSIDERATIONS

PCRA CONSIDERATIONS: THIS PRODUCT IS DESIGNED TO BE CHOLESTEROL FREE AND IS NOT A HAZARDOUS WASTE.

SECTION XIV - TRANSPORT INFORMATION

UN NUMBER:
UN PACK GROUP:
UN CLASS:
ICAO/IATA CLASS: NOT REGULATED
IMP CLASS: NOT REGULATED
SHIPPING NAME: PLASTIC LIQUID, NOS
ADR/KID CLASS: NOT REGULATED
NOT HAZARD CLASS:
TECHNICAL NAME:

SECTION XV - REGULATORY INFORMATION

TSCA STATUS: ALL INGREDIENTS CONTAINED IN THIS PRODUCT ARE ON THE TSCA INVENTORY.
SCHEDULE B NUMBER: 3546.11.0000 IS THE SCHEDULE B EXPORT CLASSIFICATION NUMBER.
PROHIBITION 85 INFORMATION:
OAK1 PART B DOES NOT CONTAIN ANY CHEMICAL, KNOWN BY THE STATE OF CALIFORNIA, TO CAUSE CANCER/REPRODUCTIVE TOXICITY.

SECTION XVI - OTHER INFORMATION

DISCLAIMER: ALTHOUGH THE INFORMATION AND RECOMMENDATIONS SET FORTH HEREIN (HEREINAFTER "INFORMATION") ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE CORRECT AS OF THE DATE HEREIN, ELEMENTIS PERFORMANCE POLYMERS MAKES NO REPRESENTATIONS AS TO THE CORRECTNESS OR ACCURACY THEREOF. INFORMATION IS SUPPLIED AS IS AND THE PERSONS RECEIVING SAME WILL MAKE THEIR OWN DETERMINATION AS TO ITS SUITABILITY FOR THEIR PURPOSES PRIOR TO USE. IN NO EVENT WILL ELEMENTIS PERFORMANCE POLYMERS BE RESPONSIBLE FOR DAMAGES OF ANY NATURE WHATSOEVER RESULTING FROM THE USE OF OR RELIANCE UPON INFORMATION. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR ANY NATURE ARE MADE HEREBY UNLESS WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.