

MSDS: L3717

ITEM: 3KYZ1 - PK10 Epoxy Fast Setting Amber 3.5g

ORDER: 0120465860

LP NUMBER: U855511430

MATERIAL SAFETY DATA SHEET (MSDS)

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

MATERIAL SAFETY DATA SHEET - L3717

Associated Grainger Items
3KYZ1

MATERIAL SAFETY DATA SHEET

MSDS NAME: DOUBLE BUBBLE RED PACKAGE

MSDS NUMBER: 08173#1

VERSION NUMBER: B

MSDS DATE: NOV-26-2001

SECTION I - PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: DOUBLE BUBBLE RED PACKAGE

HAZARD RATING:
HEALTH 2
FIRE 1
REACTIVITY 0
PPI

COMPANY IDENTIFICATION:
ELEMENTIS PERFORMANCE POLYMERS
600 CORTLANDT STREET
BELLEVILLE, NJ 07109-3384

CONTACT: BRUCE WEINMAN

TELEPHONE/FAX:
(973) 751-3000
(973) 751-8407

EMERGENCY PHONE (24 HOUR):
ENVIRONMENTAL SPECIALIST: (973) 751-3000

CHEMTREC (24 HOUR): (800) 424-9300

PREPARER:
B. WEINMAN
ENVIRONMENTAL SPECIALIST

PRODUCT CLASS: EPOXY

TRADE NAME: PERMABOND MIX AND FIX

PRODUCT CODE: (04001) PART A

SECTION II - INGREDIENT AND HAZARD INFORMATION

HAZARDOUS INGREDIENTS CAS NUMBER
TRADE SECRET TRADE SECRET
EPOXY RESIN 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 SENSITIZATION AND RASH. NOT LIKELY TO BE ABSORBED THROUGH SKIN IN TOXIC AMOUNTS.

INHALATION:
INHALATION OF 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, IARC OR NTP LISTS 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 WIPE EXCESS FROM SKIN. FLUSH SKIN WITH WATER. FOLLOW BY WASHING WITH SOAP AND WATER. IF IRRITATION OCCURS, GET IMMEDIATE MEDICAL ATTENTION. LAUNDRY CONTAMINATED CLOTHING. DESTROY LEATHER ARTICLES INCLUDING SHOES.

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

INGESTION: DO NOT INDUCE VOMITING. GET MEDICAL ADVICE.

SECTION V - FIRE-FIGHTING MEASURES

FLAMMABILITY CLASS: IIIB

FLASH RANGE:
NOT AVAILABLE
PENSKY-MARTENS CLOSED CUP ASTM D 93
375F

EXPLOSIVE RANGE: NOT AVAILABLE

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

SECTION VI - ACCIDENTAL RELEASE MEASURES

SPILLS:
ABSORB 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 TLV	ACGIH TLV-C	ACGIH STEL	OSHA STEL	OSHA PEL
TRADE SECRET	N/EST	N/EST	N/EST	N/EST	N/EST
EPOXY RESIN	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 PROPER ENVIRONMENTAL CONTROL OR VENTILATION, WEAR A RESPIRATOR. APPROVED BY NIOSH/MSHA WHENEVER EXPOSED TO FUMES OR VAPORS. COMPLY WITH OSHA 1910.134 (CFR).

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 APRON, 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 (mmHg): NOT AVAILABLE

MELTING POINT: NOT APPLICABLE
EVAPORATION RATE: UNAVAILABLE
% VOLATILE: NOT AVAILABLE

SPECIFIC GRAVITY: 1.19

VOC: 5.04 GMS/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, STRONG MINERAL ACIDS, STRONG LEWIS ACIDS, BASES, MERCAPTANS, AMINES.

CONDITIONS TO AVOID: HIGH TEMPERATURES.

HAZARDOUS DECOMPOSITION PRODUCTS:
CARBON MONOXIDE, CARBON DIOXIDE, ALDEHYDES, ACIDS.
PRODUCT MAY PRODUCE FORMALDEHYDE UNDER FIRE CONDITIONS.

SECTION XI - TOXICOLOGICAL INFORMATION

LETHAL DOSE INFORMATION (PPM) ORAL SKIN INHALE LC50

TOXICOLOGICAL INFORMATION: NO INFORMATION IS AVAILABLE.

SECTION XII - ECOLOGICAL INFORMATION

NO INFORMATION IS AVAILABLE.

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA CONSIDERATIONS:
THIS PRODUCT IF DISPOSED OF IN THE PURCHASED FORM IS NOT CONSIDERED RCRA HAZARDOUS.

SECTION XIV - TRANSPORT INFORMATION

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

SECTION XV - REGULATORY INFORMATION

TSCA STATUS:
ALL INGREDIENTS CONTAINED IN THIS PRODUCT ARE ON THE TSCA INVENTORY.

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

PROPOSITION 65 INFORMATION:
04001 PART A CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER/REPRODUCTIVE TOXICITY.

106-89-8	EPICHLOROHYDRIN	<1 PPM
122-60-1	PHENYL GLYCIDYL ETHER	<6 PPM

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 HEREOF, ELEMENTIS PERFORMANCE POLYMERS MAKES NO REPRESENTATIONS AS TO THE COMPLETENESS OR ACCURACY 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 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 EXPRESSED OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY NATURE ARE MADE HERE-UNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.

MATERIAL SAFETY DATA SHEET

MSDS NAME: DOUBLE BUBBLE RED PACKAGE

MSDS NUMBER: 08173 #2

VERSION NUMBER: B

MSDS DATE: NOV-26-2001

SECTION I - PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: DOUBLE BUBBLE RED PACKAGE

HAZARD RATING:
HEALTH 2
FIRE 1
REACTIVITY 0
PFI

COMPANY IDENTIFICATION:
ELEMENTIS PERFORMANCE POLYMERS
600 CORTLANDT STREET
BELLEVILLE, NJ 07109-3384

CONTACT: BRUCE WEINMAN

TELEPHONE/FAX:
(973) 751-3000
(973) 751-8407

EMERGENCY PHONE (24 HOUR):
ENVIRONMENTAL SPECIALIST: (973) 751-3000

CHEMTREC (24 HOUR): (800) 424-9300

PREPARER:
B. WEINMAN
ENVIRONMENTAL SPECIALIST

PRODUCT CLASS: MERCAPTAN-TERMINATED POLYMER

TRADE NAME: PERMABOND MIX AND FIX

PRODUCT CODE: (04001) PART B

SECTION II - INGREDIENT AND HAZARD INFORMATION

HAZARDOUS INGREDIENTS CAS NUMBER

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:
CORROSIVE TO THE EYES AND MAY CAUSE SEVERE DAMAGE INCLUDING BLINDNESS. VAPORS MAY BE IRRITATING.

SKIN CONTACT:
MAY CAUSE SEVERE 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 PNEUMONIA.

INGESTION:
SLIGHTLY TOXIC. INGESTION MAY CAUSE FATIGUE, MUSCULAR WEAKNESS, LABORED BREATHING AND IRRITATION OF GASTRO-INTESTINAL TRACT.

NOTE 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 BURNS TO SKIN, EYES, RESPIRATORY AND GASTROINTESTINAL TRACTS. CHRONIC: DERMATITIS, DELAYED LUNG INJURY, CHEMICAL, PNEUMONIA

HEALTH HAZARD INFORMATION:

CARCINOGENICITY:
THE MATERIALS USED IN THE MANUFACTURE OF THIS PRODUCT ARE NOT FOUND ON THE OSHA, IARC OR NTP LISTS OF CARCINOGENS.

SECTION IV - FIRST AID MEASURES

EYE CONTACT:
FLUSH THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES WHILE LIFTING UPPER AND LOWER EYE LIDS. GET IMMEDIATE MEDICAL ATTENTION.

SKIN CONTACT:
WIPE EXCESS FROM SKIN AND FLUSH WITH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION. LAUNDRER CLOTHING, DISCARD LEATHER CLOTHING.

INHALATION:
REMOVE PERSON TO FRESH AIR AND CALL A PHYSICIAN. PREVENT ASPIRATION OF VOMIT BY TURNING VICTIMS HEAD TO THE SIDE.

INGESTION:
DO NOT INDUCE VOMITING. ADMINISTER 3 - 4 GLASSES OF MILK OR WATER. GET IMMEDIATE MEDICAL ATTENTION. NOTHING BY MOUTH IF VICTIM IS DROWSY, CONVULSING, OR UNCONSCIOUS.

SECTION V - FIRE-FIGHTING MEASURES

FLAMMABILITY CLASS: IIIB

FLASH RANGE:
NOT AVAILABLE
PENSKY-MARTENS CLOSED CUP ASTM D 93 270 F

EXPLOSIVE RANGE: NOT AVAILABLE

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

SECTION VI - ACCIDENTAL RELEASE MEASURES

SPILLS:
ABSORB 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 TLV	ACGIH TLV-C	ACGIH STEL	OSHA STEL	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 PROPER ENVIRONMENTAL CONTROL OR VENTILATION, WEAR A RESPIRATOR APPROVED BY NIOSH/MSHA WHENEVER EXPOSED TO FUMES OR VAPORS. COMPLY WITH OSHA 1910.134 (CFR).
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 APRON, 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 AMBER
ODOR: MERCAPTAN
BOILING RANGE: NOT AVAILABLE
VAPOR PRESSURE (MMHg): NOT AVAILABLE
MELTING POINT: NOT APPLICABLE
EVAPORATION 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 CHROMERGE/AQUA REGIA.
STRONG MINERAL AND LEWIS ACIDS. HALOGENATED ORGANIC COMPOUNDS.
CONDITIONS TO AVOID: HIGH TEMPERATURES.
HAZARDOUS DECOMPOSITION PRODUCTS:
CARBON MONOXIDE, CARBON DIOXIDE, NITROGEN OXIDES, AMMONIA, HYDROGEN
SULPHIDE, OXIDES OF SULPHUR.

SECTION XI - TOXICOLOGICAL INFORMATION

LETHAL DOSE INFORMATION (PPM) ORAL SKIN INHALE LC50
TOXICOLOGICAL INFORMATION: NO INFORMATION IS AVAILABLE.

SECTION XII - ECOLOGICAL INFORMATION

NO INFORMATION IS AVAILABLE.

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA CONSIDERATIONS:
THIS PRODUCT IF DISPOSED OF IN THE PURCHASED FORM IS NOT CONSIDERED RCRA
HAZARDOUS.

SECTION XIV - TRANSPORT INFORMATION

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

SECTION XV - REGULATORY INFORMATION

TSCA STATUS:
ALL INGREDIENTS CONTAINED IN THIS PRODUCT ARE ON THE TSCA INVENTORY.
SCHEDULE B NUMBER:
3506.91.0000 IS THE SCHEDULE B EXPORT CLASSIFICATION NUMBER.
PROPOSITION 65 INFORMATION:
04001 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 HEREOF, ELEMENTIS PERFORMANCE POLYMERS MAKES NO REPRESENTATIONS AS
TO THE COMPLETENESS OR ACCURACY 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
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 EXPRESSED OR IMPLIED, OF
MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OF ANY NATURE ARE MADE
HERE UNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION
REFERS.