MSDS Name: EPOWELD 8173 PART A

MSDS Number: 08173-1

Version Number G
MSDS Date: JUN-28-2005
Page Number: 1 of 6

# SECTION I - PRODUCT AND COMPANY INFORMATION

Product Name:

EPOWELD 8173 PART A
Health: 2 Fire: 1 Reactivity: 0 PPI: Hazard Rating:

Company Identification: ROYAL ADHESIVES & SEALANTS LLC 600 CORTLANDT STREET

BELLEVILLE NJ 07109-3384

Contact: BRUCE WEINMAN Telephone/Fax: (973) 751-3000 (973) 751-3000 (973) 751-8407

Emergency Phone (24 Hour): ENVIRONMENTAL SPECIALIST

(973) 751-3000 Chemtrec (24 Hour): (800) 424-9300 Preparer B. WEINMAN

Preparer

ENVIRONMENTAL SPECIALIST

Product Class

EPOXY EPOWELD 8173 PART A 08173-1 Trade Name

Product Code 08173-1

### SECTION II - INGREDIENT AND HAZARD INFORMATION

Hazardous Ingredients CAS Number

TRADE SECRET TRADE SECRET

EPOXY RESIN 25068-38-6

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

MSDS Name: EPOWELD 8173 PART A

MSDS Number: 08173-1 Version Number G

MSDS Date: JUN-28-2005

Page Number: 2 of 6

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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 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.

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

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MSDS Name: EPOWELD 8173 PART A

MSDS Number: 08173-1 Version Number G

MSDS Date: JUN-28-2005

Page Number: 3 of 6

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BOOTS), INCLUDING A POSITIVE PRESSURE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS (SCBA).

COOL FIRE EXPOSED CONTAINERS WITH WATER.

#### SECTION VI - ACCIDENTAL RELEASE MEASURES

#### SPILLS:

SHUT OFF ALL IGNITION SOURCES AND DIKE SPILL TO CONTAIN AND PREVENT ENTRY INTO SEWERS OR WATER SOURCES. ABSORB SPILLED MATERIAL AND PLACE IN CLOSED CONTAINER FOR DISPOSAL. CONTROLLED INCINERATION. HANDLE IN COMPLIANCE WITH LOCAL, STATE, AND FEDERAL ENVIRONMENTAL PROTECTION AGENCY 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

Occupation	al Exposure I	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 RESI		<b>3.</b> /	37 /	77 /	37 /
	N/est	N/est	N/est	N/est	N/est
TRADE SECR	יחיבו				
IRADE SECR		N / o a +	M /ogt	M / o a +	N /oat
	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.

MSDS Name: EPOWELD 8173 PART A

MSDS Number: 08173-1

Version Number G
MSDS Date: JUN-28-2005
Page Number: 4 of 6

# SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Form:

LIQUID TRANSPARENT/LT AMBER Appearance/Color:

Appearance/Color: TRANSPARENT/LT
Odor: MILD
Boiling Range: Not Available
Vapor Pressure (mmHg): Not Available
Melting Point: Not Applicable
Evaporation Rate: Unavailable Evaporation Rate:

Not Available % Volatile

% Volatile
Specific Gravity:

1.19 5.04 GMS/LITER\* VOC

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.

# **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

MSDS Name: EPOWELD 8173 PART A

MSDS Number: 08173-1

Version Number G
MSDS Date: JUN-28-2005
Page Number: 5 of 6

#### 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

IMDG Class

NOT REGULATED

NOT REGULATED

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. PROPOSITION 65 INFORMATION:

08173 PART A CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER/REPRODUCTIVE TOXICITY.

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

### 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, ROYAL ADHESIVES & SEALANTS LLC 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

MSDS Name: EPOWELD 8173 PART A

MSDS Number: 08173-1

Version Number G

MSDS Date: JUN-28-2005

Page Number: 6 of 6

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MSDS Name: EPOWELD 8173 PART B

MSDS Number: 08173-2

Version Number H
MSDS Date: JUN-28-2005
Page Number: 1 of 6

# SECTION I - PRODUCT AND COMPANY INFORMATION

Product Name:

EPOWELD 8173 PART B
Health: 2 Fire: 1 Reactivity: 0 PPI: Hazard Rating:

Company Identification: ROYAL ADHESIVES & SEALANTS LLC 600 CORTLANDT STREET

BELLEVILLE NJ 07109-3384

Contact: BRUCE WEINMAN Telephone/Fax: (973) 751-3000 (973) 751-3000 (973) 751-8407

Emergency Phone (24 Hour): ENVIRONMENTAL SPECIALIST

(973) 751-3000 Chemtrec (24 Hour): (800) 424-9300 Preparer B. WEINMAN

Preparer

ENVIRONMENTAL SPECIALIST

MERCAPTAN-TERMINATED POLYMER EPOWELD 8173 PART B 08173-2 Product Class

Trade Name

Product Code 08173-2

### 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:

MSDS Name: EPOWELD 8173 PART B

MSDS Number: 08173-2 Version Number H

MSDS Date: JUN-28-2005

Page Number: 2 of 6

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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.

NOTES 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: DEMATITIS, 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. LAUNDER 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

270F

Explosive Range: Not Available

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MSDS Name: EPOWELD 8173 PART B

MSDS Number: 08173-2 Version Number H

MSDS Date: JUN-28-2005 Page Number: 3 of 6

#### 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:

SHUT OFF ALL IGNITION SOURCES AND DIKE SPILL TO CONTAIN AND PREVENT ENTRY INTO SEWERS OR WATER SOURCES. ABSORB SPILLED MATERIAL AND PLACE IN CLOSED CONTAINER FOR DISPOSAL. CONTROLLED INCINERATION. HANDLE IN COMPLIANCE WITH LOCAL, STATE, AND FEDERAL ENVIRONMENTAL PROTECTION AGENCY 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

MSDS Name: EPOWELD 8173 PART B

MSDS Number: 08173-2

Version Number H
MSDS Date: JUN-28-2005
Page Number: 4 of 6

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

Not Available % Volatile

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

Oral Skin Inhale LC50 Lethal Dose Information (ppm)

TOXICOLOGICAL INFORMATION: NO INFORMATION IS AVAILABLE.

#### SECTION XII - ECOLOGICAL INFORMATION

MSDS Name: EPOWELD 8173 PART B

MSDS Number: 08173-2 Version Number H

MSDS Date: JUN-28-2005

Page Number: 5 of 6

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

NOT REGULATED NOT REGULATED PLASTIC LIQUID, NOS NOT REGULATED ICAO/IATA Class IMDG Class

Shipping Name

ADR/RID Class

DOT Hazard Class Technical Name

#### SECTION XV - REGULATORY INFORMATION

#### TSCA STATUS:

ALL INGREDIENTS CONTAINED IN THIS PRODUCT ARE ON THE TSCA INVENTORY. PROPOSITION 65 INFORMATION:

08173 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

MSDS Name: EPOWELD 8173 PART B

MSDS Number: 08173-2 Version Number H

MSDS Date: JUN-28-2005 Page Number: 6 of 6

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