

MATERIAL SAFETY DATA SHEET

MSDS Name: EPOCAP 16505 PART B
MSDS Number: 16505-2
Version Number: G
MSDS Date: JUN-22-2005
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SECTION I - PRODUCT AND COMPANY INFORMATION

Product Name: EPOCAP 16505 PART B
Hazard Rating: Health: 3 Fire: 2 Reactivity: 0 PPI:

Company Identification: ROYAL ADHESIVES & SEALANTS LLC
600 CORTLANDT STREET
BELLEVILLE NJ 07109-3384

Contact: BRUCE WEINMAN
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(973) 751-3000
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Preparer: B. WEINMAN
ENVIRONMENTAL SPECIALIST

Product Class: POLYAMINE MIXTURE
Trade Name: EPOCAP 16505 PART B
Product Code: 16505-2

SECTION II - INGREDIENT AND HAZARD INFORMATION

Hazardous Ingredients: CAS Number

MODIFIED ALIPHATIC AMINE: 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:

PRODUCT IS EXTREMELY IRRITATING TO THE EYES AND MAY CAUSE
EXTREME DAMAGE INCLUDING BLINDNESS. VAPORS MAY BE IRRITATING.

SKIN CONTACT:

PRODUCT IS SEVERELY IRRITATING TO THE SKIN AND MAY CAUSE SKIN
SENSITIZATION.

INHALATION:

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VAPORS GENERATED FROM EXPOSURE IN POORLY VENTILATED AREAS OR CONFINED SPACES, ARE IRRITATING AND CAUSE NASAL DISCHARGE, COUGHING, AND DISCOMFORT IN THE NOSE AND THROAT. PROLONGED OR REPEATED OVEREXPOSURE MAY RESULT IN LUNG DAMAGE. INHALATION MAY RESULT IN THE ABSORPTION OF POTENTIALLY HARMFUL AMOUNTS OF MATERIAL.

INGESTION:

CAUSES BURNING OF MOUTH, THROAT, AND STOMACH WITH ABDOMINAL AND CHEST PAIN, NAUSEA, VOMITING, DIARRHEA, THIRST, WEAKNESS, AND COLLAPSE.

OTHER HEALTH HAZARD INFORMATION:

SKIN SENSITIZATION MAY BE EVIDENCED BY RASHES, ESPECIALLY HIVES.

THIS PRODUCT CONTAINS AN AMINE WHICH MAY PRODUCE TEMPORARY AND REVERSIBLE HAZY OR BLURRED VISION.

OVEREXPOSURE TO VAPOR MAY AGGRAVATE EXISTING RESPIRATORY CONDITIONS, SUCH AS ASTHMA, BRONCHITIS, AND INFLAMMATORY OR FIBROTIC RESPIRATORY DISEASE.

REPEATED SKIN EXPOSURE MAY CAUSE ALLERGIC CONTACT DERMATITIS.

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. LAUNDRY CLOTHING, DISCARD LEATHER CLOTHING.

INHALATION:

REMOVE PERSON TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION.

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

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Flammability Class: IIB
Flash Range: Not Available
Pensky-Martens Closed Cup ASTM D 93
118F
Explosive Range: Not Available

FIRE-FIGHTING MEASURES:

USE WATER FOG, DRY CHEMICAL, FOAM, CARBON DIOXIDE.
WATER OR FOAM MAY CAUSE FROTHING. USE WATER TO COOL FIRE-EXPOSED CONTAINERS. IF A LEAK OR SPILL HAS NOT IGNITED, USE WATER SPRAY TO DISPERSE THE VAPORS AND PROVIDE PROTECTION TO THE PEOPLE ATTEMPTING TO STOP THE LEAK. USE FULL TURNOUT GEAR INCLUDING SELF-CONTAINED BREATHING APPARATUS (SCBA).
FIRE EXPOSED CONTAINERS MAY BUILD PRESSURE AND BURST.

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
MODIFIED ALIPHATIC AMINE	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

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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: BLUE
Odor: AMINE
Boiling Range: Not Available
Vapor Pressure (mmHg): Not Available
Melting Point: Not Applicable
Evaporation Rate: Unavailable

% Volatile: Not Available
Specific Gravity: 0.97

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.

CONDITIONS TO AVOID:

HIGH TEMPERATURES.

HAZARDOUS DECOMPOSITION PRODUCTS:

CARBON MONOXIDE, CARBON DIOXIDE, NITROGEN OXIDES, AMMONIA.

SECTION XI - TOXICOLOGICAL INFORMATION

Lethal Dose Information (ppm)	Oral	Skin	Inhale	LC50
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TOXICOLOGICAL INFORMATION:
NO INFORMATION IS AVAILABLE.

SECTION XII - ECOLOGICAL INFORMATION

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NO INFORMATION IS AVAILABLE.

SECTION XIII - DISPOSAL CONSIDERATIONS

RCRA CONSIDERATIONS:

PLACE IN AN APPROPRIATE DISPOSAL FACILITY IN COMPLIANCE WITH FEDERAL AND LOCAL REGULATIONS. THIS PRODUCT AS SOLD IS CONSIDERED TO BE RCRA HAZARDOUS AND DOES EXHIBIT THE CHARACTERISTIC OF IGNITABILITY, D001.

SECTION XIV - TRANSPORT INFORMATION

UN Number	2920
UN Pack Group	II
UN Class	8
ICAO/IATA Class	8
IMDG Class	8
Shipping Name	CORROSIVE LIQUIDS, FLAMMABLE NOS (POLYALKYLAMINE)
ADR/RID Class	8
DOT Hazard Class	
Technical Name	

SECTION XV - REGULATORY INFORMATION

TSCA STATUS:

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

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 TO USE. IN NO EVENT WILL ROYAL ADHESIVES & SEALANTS LLC BE

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