

# MATERIAL SAFETY DATA SHEET

MSDS Name: DOUBLE BUBBLE PURPLE PACKAGE  
MSDS Number: 03673#1  
Version Number: F  
MSDS Date: JUN-17-2005  
Page Number: 1 of 7

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## SECTION I - PRODUCT AND COMPANY INFORMATION

Product Name: DOUBLE BUBBLE PURPLE PACKAGE  
Hazard Rating: Health: 2 Fire: 1 Reactivity: 0 PPI:

Company Identification: ROYAL ADHESIVES & SEALANTS LLC  
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: WET SURFACE PATCHING  
Product Code: (04003) PART A

## SECTION II - INGREDIENT AND HAZARD INFORMATION

Hazardous Ingredients	CAS Number
EPOXY RESIN	25068-38-6
CRYSTALLINE SILICA	TRADE SECRET
TRADE SECRET	TRADE SECRET
TALC	TRADE SECRET
ALUMINUM FLAKE	7429-90-5
TITANIUM DIOXIDE	TRADE SECRET

\*\*\* ALL Ingredients in this product are listed in the T.S.C.A. Inventory

## SECTION III - HAZARDS IDENTIFICATION

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## EYE CONTACT:

PRODUCT IS MODERATELY IRRITATING TO THE EYES.

## SKIN CONTACT:

PRODUCT IS MODERATELY IRRITATING TO THE SKIN. MAY CAUSE SKIN SENSITIZATION. SKIN SENSITIZATION MAY BE EVIDENCED BY RASHES, ESPECIALLY HIVES.

## INHALATION:

BECAUSE OF ITS LOW VOLATILITY THIS PRODUCT IS NOT LIKELY TO BE AN INHALATION HAZARD.

## INGESTION:

THIS PRODUCT IS CONSIDERED TO HAVE A LOW ORDER OF ACUTE ORAL TOXICITY.

## AGGRAVATED MEDICAL CONDITIONS:

PREEXISTING SKIN AND EYE DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT. PREEXISTING SKIN OR LUNG ALLERGIES MAY INCREASE THE CHANCE OF DEVELOPING INCREASED ALLERGY SYMPTOMS FROM EXPOSURE TO THIS PRODUCT.

## HEALTH HAZARD INFORMATION:

### OTHER HEALTH INFORMATION (EPOXY RESIN):

CHRONIC STUDIES: RECENT 2 YEAR BIOASSAYS IN MICE EXPOSED BY THE DERMAL ROUTE TO EPOXY RESIN, THE DIGLYCIDYL ETHER OF BISPHENOL A (DGEBA), OR TO RESINS PREDOMINANTLY OF DGEBA HAVE YIELDED VERY LIMITED EVIDENCE OF WEAK CARCINOGENICITY. DGEBA IS A COMPONENT OF THE RESIN IN THIS PRODUCT. THE AUTHORS OF THIS WORK CONCLUDED THAT THE RENAL TUMOR EVIDENCE WITH THIS RESIN "WAS OF NO BIOLOGICAL SIGNIFICANCE" AND THAT THE RESIN "IS NOT A SYSTEMIC CARCINOGEN WHEN APPLIED TO THE DORSAL SKIN OF CF 1 MICE." IARC CONCLUDED THAT DGEBA WAS NOT CLASSIFIABLE AS A CARCINOGEN (IARC GROUP 3) BASED ON THE FOLLOWING: HUMAN AND ANIMAL EVIDENCE BOTH INADEQUATE.

## HAZARDOUS FILLER WARNING FOR SILICA:

THIS FORMULA CONTAINS HAZARDOUS FILLERS WHICH ARE NOT HAZARDOUS IN A WET OR ENCAPSULATED STATE. HOWEVER, IF A FORMULA CONTAINING A HAZARDOUS FILLER IS REDUCED TO A RESPIRABLE FRACTION BY GRINDING OR PUTTING INTO AN AIRBORNE POWDER, THE POWDER IS CONSIDERED A HAZARDOUS MATERIAL. IARC CLASSIFICATION FOR SILICA POWDER IS GROUP 1 (CARCINOGENIC TO HUMANS).

## SECTION IV - FIRST AID MEASURES

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## 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. 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

>200F

Explosive Range:

Not Available

## 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

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EPOXY RESIN	N/est	N/est	N/est	N/est	N/est
CRYSTALLINE SILICA	0.1000 mg/M3	N/est	N/est	N/est	0.1000 mg/M3
TRADE SECRET	N/est	N/est	N/est	N/est	N/est
TALC	2.0000 mg/M3	N/est	N/est	N/est	N/est
ALUMINUM FLAKE	N/est	N/est	N/est	N/est	100.0000 PPM
TITANIUM DIOXIDE	10.0000 mg/M3	N/est	N/est	N/est	15.0000 mg/M3

## 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:	GREY
Boiling Range:	Not Available
Vapor Pressure (mmHg):	Not Available
Melting Point:	Not Applicable
Evaporation Rate:	Unavailable

% Volatile	Not Available
Specific Gravity:	1.44

## SECTION X - STABILITY AND REACTIVITY

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Stability: This product is stable  
Hazardous Polymerization: Hazardous polymerization will not occur

## 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

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

### SARA TITLE III SECTION 313:

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372:

Chemical Name	CAS Number	%
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ALUMINUM FLAKE 7429-90-5 0.5 - 1.5

## TSCA STATUS:

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

## INVENTORY STATUS:

ALL THE COMPONENT(S) OF THIS PRODUCT HAVE BEEN FOUND ON THE FOLLOWING INVENTORIES:

UNITED STATES

ALL THE COMPONENT(S) OF THIS PRODUCT HAVE NOT YET BEEN IDENTIFIED ON THE FOLLOWING INVENTORIES:

EUROPE  
CANADA  
AUSTRALIA  
JAPAN  
KOREA  
CHINA  
PHILIPPINES

## SCHEDULE B NUMBER:

3506.91.0000 IS THE SCHEDULE B EXPORT CLASSIFICATION NUMBER.

## PROPOSITION 65 INFORMATION:

04003 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, 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

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OWN DETERMINATION AS TO ITS SUITABILITY FOR THEIR PURPOSES PRIOR TO USE. IN NO EVENT WILL ROYAL ADHESIVES & SEALANTS LLC 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.

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## SECTION I - PRODUCT AND COMPANY INFORMATION

Product Name: DOUBLE BUBBLE PURPLE PACKAGE  
Hazard Rating: Health: 2 Fire: 1 Reactivity: 0 PPI:

Company Identification: ROYAL ADHESIVES & SEALANTS LLC  
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: AMINE  
Trade Name: WET SURFACE PATCHING  
Product Code: (04003) PART B

## SECTION II - INGREDIENT AND HAZARD INFORMATION

Hazardous Ingredients: HETEROCYCLIC AMINE CAS Number: TRADE SECRET

\*\*\* ALL Ingredients in this product are listed in the T.S.C.A. Inventory

## SECTION III - HAZARDS IDENTIFICATION

EYE CONTACT:  
PRODUCT IS IRRITATING TO THE EYES AND MAY CAUSE BURNS TO THE EYES.  
SKIN CONTACT:  
IRRITATING TO THE SKIN (SPI CLASS 2).  
INHALATION:  
PRODUCT IS NOT CONSIDERED HAZARDOUS BY INHALATION.  
INGESTION:  
NOT KNOWN.  
OTHER HEALTH HAZARD INFORMATION:

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LD50 2.20 G/KG (MICE).

## 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
	>350F
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

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## 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
HETEROCYCLIC AMINE	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:	DARK AMBER
Boiling Range:	Not Available
Vapor Pressure (mmHg):	Not Available
Melting Point:	Not Applicable
Evaporation Rate:	Unavailable
% Volatile	Not Available
Specific Gravity:	1.17

## SECTION X - STABILITY AND REACTIVITY

Stability:	This product is stable
Hazardous Polymerization:	Hazardous polymerization will not occur

## SECTION XI - TOXICOLOGICAL INFORMATION

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

## SECTION XII - ECOLOGICAL INFORMATION

NO INFORMATION IS AVAILABLE.

## SECTION XIII - DISPOSAL CONSIDERATIONS

### RCRA CONSIDERATIONS:

PLACE IN AN APPROPRIATE DISPOSAL FACILITY IN COMPLIANCE WITH FEDERAL AND LOCAL REGULATIONS.

## 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.

### INVENTORY STATUS:

ALL THE COMPONENT(S) OF THIS PRODUCT HAVE BEEN FOUND ON THE FOLLOWING INVENTORIES:

UNITED STATES

ALL THE COMPONENT(S) OF THIS PRODUCT HAVE NOT YET BEEN IDENTIFIED ON THE FOLLOWING INVENTORIES:

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EUROPE  
CANADA  
AUSTRALIA  
JAPAN  
KOREA  
CHINA  
PHILIPPINES

**SCHEDULE B NUMBER:**

3506.91.0000 IS THE SCHEDULE B EXPORT CLASSIFICATION NUMBER.

**PROPOSITION 65 INFORMATION:**

04003 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, 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 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 HEREUNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH INFORMATION REFERS.