

# MATERIAL SAFETY DATA SHEET

MSDS Name: DOUBLE BUBBLE PURPLE/BEIGE A85 PACKAGE  
MSDS Number: 16308#1  
Version Number: g  
MSDS Date: JUN-20-2005  
Page Number: 1 of 6

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## SECTION I - PRODUCT AND COMPANY INFORMATION

Product Name: DOUBLE BUBBLE PURPLE/BEIGE A85 PACKAGE  
Hazard Rating: Health: 3 Fire: 1 Reactivity: 1 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: URETHANE PREPOLYMER  
Trade Name: "TUFF STUFF" GENERAL PURPOSE  
Product Code: (04024) PART A

## SECTION II - INGREDIENT AND HAZARD INFORMATION

Hazardous Ingredients CAS Number

TRADE SECRET TRADE SECRET

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

## SECTION III - HAZARDS IDENTIFICATION

EYE CONTACT:  
MODERATELY IRRITATING.

SKIN CONTACT:  
MAY CAUSE IRRITATION. PROLONGED OR REPEATED CONTACT MAY CAUSE RASH,  
REDDENING, SWELLING, AND IN SOME CASES, SKIN SENSITIZATION.

INHALATION:  
AT ROOM TEMPERATURE VAPORS ARE MINIMAL DUE TO LOW VAPOR PRESSURE.  
HOWEVER, HEATING OR SPRAYING MAY GENERATE VAPOR CONCENTRATIONS  
SUFFICIENT TO CAUSE IRRITATION. EXCESSIVE EXPOSURE MAY CAUSE

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IRRITATION OF THE EYES, UPPER RESPIRATORY TRACT, AND LUNGS. MAY CAUSE RESPIRATORY SENSITIZATION IN SUSCEPTIBLE INDIVIDUALS.

## INGESTION:

PURE ISOPHORONE DIISOCYANATE (IPDI) HAS A LOW LEVEL OF ACUTE ORAL TOXICITY BASED ON ANIMAL TESTING. MAY BE HARMFUL IF SWALLOWED.

## IPDI CONCENTRATION:

THE TYPICAL LEVEL OF IPDI FOUND IN THIS PRODUCT IS LESS THAN 10%.

## SECTION IV - FIRST AID MEASURES

### EYES:

WASH WITH FLOWING WATER IMMEDIATELY AND CONTINUOUSLY FOR 15 MINUTES. CONSULT MEDICAL PERSONNEL.

### SKIN:

WASH WITH SOAP AND PLENTY OF WARM WATER.

### INHALATION:

REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, OXYGEN SHOULD BE ADMINISTERED BY QUALIFIED PERSONNEL. CALL A PHYSICIAN OR TRANSPORT TO A MEDICAL FACILITY.

### INGESTION:

IF SWALLOWED SEEK MEDICAL ATTENTION. DO NOT INDUCE VOMITING UNLESS DIRECTED TO DO SO BY MEDICAL PERSONNEL. GIVE NOTHING BY MOUTH IF PERSON IS UNCONSCIOUS OR HAVING CONVULSIONS.

## SECTION V - FIRE-FIGHTING MEASURES

Flammability Class

IIIB

Flash Range:

Not Available

Pensky-Martens Closed Cup ASTM D 93

350 F

Explosive Range:

Not Available

### FIRE-FIGHTING MEASURES:

WATER SPRAY OR WATER FOG

DRY CHEMICAL

FOAM

CARBON DIOXIDE

USE FULL TURNOUT GEAR INCLUDING SELF-CONTAINED BREATHING APPARATUS (SCBA).

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DURING A FIRE, ISOCYANATE CONTAINING VAPOR MAY BE GENERATED. THIS VAPOR IS CONSIDERED HAZARDOUS. EXPOSURE TO HEAT BUILDS UP PRESSURE IN CLOSED CONTAINERS. 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 INTO OPEN TOP CONTAINERS. DO NOT MAKE PRESSURE TIGHT. TRANSPORT TO A WELL-VENTILATED AREA (OUTSIDE) AND TREAT WITH NEUTRALIZING SOLUTION CONSISTING OF A MIXTURE OF 85% WATER, 5% CONCENTRATED AMMONIUM HYDROXIDE AND 10% SODIUM CARBONATE. ADD ABOUT 10 PARTS OF NEUTRALIZER PER PART OF ISO-CYANATE WITH MIXING. ALLOW TO STAND FOR 48 HOURS LETTING EVOLVED CARBON DIOXIDE TO ESCAPE. IF TEMPORARY CONTROL OF ISOCYANATE VAPOR IS REQUIRED, A BLANKET OF PROTEIN FOAM (AVAILABLE AT MOST FIRE DEPARTMENTS) MAY BE PLACED OVER THE SPILL. CONTROLLED INCINERATION. HANDLE IN COMPLIANCE WITH LOCAL, STATE, AND FEDERAL ENVIRONMENTAL PROTECTION AGENCY REGULATIONS.

## SECTION VII - HANDLING AND STORAGE

### STORAGE CONDITIONS:

STORE IN TIGHTLY CLOSED CONTAINERS TO PREVENT MOISTURE CONTAMINATION. DO NOT RESEAL IF CONTAMINATION IS SUSPECTED. OPTIMUM STORAGE TEMPERATURE IS 80F TO 100F.

## 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

### PERSONAL PROTECTIVE EQUIPMENT:

ATMOSPHERIC LEVELS SHOULD BE MAINTAINED BELOW THE EXPOSURE GUIDE LINE. WHEN RESPIRATORY PROTECTION IS REQUIRED FOR CERTAIN OPERATIONS, USE AN APPROVED POSITIVE-PRESSURE SUPPLIED-AIR RESPIRATOR. FOR EMERGENCY AND OTHER CONDITIONS WHERE THE EXPOSURE GUIDELINE MAY BE GREATLY EXCEEDED, USE AN APPROVED POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS OR POSITIVE-PRESSURE AIRLINE WITH AUXILIARY

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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.

### SCHEDULE B NUMBER:

3506.91.0000 IS THE SCHEDULE B EXPORT CLASSIFICATION NUMBER.

### PROPOSITION 65 INFORMATION:

04024 PART A 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

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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.

# MATERIAL SAFETY DATA SHEET

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## SECTION I - PRODUCT AND COMPANY INFORMATION

Product Name: DOUBLE BUBBLE PURPLE/BEIGE A85 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: AROMATIC DIAMINE MIXTURE  
Trade Name: "TUFF STUFF" GENERAL PURPOSE  
Product Code: (04024) PART B

## SECTION II - INGREDIENT AND HAZARD INFORMATION

Hazardous Ingredients	CAS Number
GROUND LIMESTONE	TRADE SECRET
TRADE SECRET	TRADE SECRET
TRADE SECRET	TRADE SECRET
FUMED SILICA	TRADE SECRET
CARBON BLACK	TRADE SECRET
POLYDIMETHYLSILOXANE	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 IRRITATING TO THE EYES.

## SKIN CONTACT:

EXPECTED TO BE HARMFUL.

## INHALATION:

NOT EXPECTED TO BE A ROUTE OF EXPOSURE DUE TO LOW VOLATILITY AT ROOM TEMPERATURE.

## INGESTION:

EXPECTED TO BE HARMFUL.

## OTHER HEALTH HAZARD INFORMATION:

A TWO YEAR FEEDING STUDY IN RATS SHOWED THE AROMATIC DIAMINE CAUSED EFFECTS IN THE PANCREAS, LIVER, THYROID AND EYES. AN INCREASE IN THE NUMBER OF TUMORS IN THE LIVER AND THYROID OF MALE RATS AND IN THE LIVER AND POSSIBLY MAMMARY GLAND OF FEMALE RATS WAS FOUND.

IN RARE INSTANCES, SENSITIZATION TO THE AROMATIC DIAMINE HAS BEEN REPORTED TO OCCUR IN HUMANS.

## HEALTH HAZARD INFORMATION:

### HAZARDOUS FILLER WARNING FOR CARBON BLACK:

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 CARBON BLACK POWDER IS GROUP 2B (POSSIBLY CARCINOGENIC TO HUMANS).

## SECTION IV - FIRST AID MEASURES

### EYES:

IMMEDIATELY WASH WITH RUNNING WATER FOR AT LEAST 15 MINUTES. GET IMMEDIATE MEDICAL ATTENTION.

### SKIN:

WASH AFFECTED AREAS WITH SOAP AND PLENTY OF WATER. REMOVE AND LAUNDRER CONTAMINATED CLOTHING BEFORE REUSE. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS.

### INHALATION:

MOVE PERSON TO FRESH AIR. AID IN BREATHING, GIVE OXYGEN IF

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NECESSARY. GET IMMEDIATE MEDICAL ATTENTION.

## INGESTION:

DRINK TWO GLASSES OF WATER AND IMMEDIATELY INDUCE VOMITING. NEVER GIVE FLUIDS IF VICTIM IS UNCONSCIOUS OR HAVING CONVULSIONS. SEEK IMMEDIATE MEDICAL ATTENTION.

## SECTION V - FIRE-FIGHTING MEASURES

Flammability Class IIIIB  
Flash Range: Not Available  
Pensky-Martens Closed Cup ASTM D 93  
280 F  
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

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GROUND LIMESTONE					
10.0000 mg/M3	N/est	N/est	N/est	N/est	N/est
TRADE SECRET					
N/est	N/est	N/est	N/est	N/est	N/est
TRADE SECRET					
N/est	N/est	N/est	N/est	N/est	N/est
FUMED SILICA					
10.0000 mg/M3	N/est	N/est	N/est	N/est	N/est
CARBON BLACK					
3.5000 mg/M3	N/est	N/est	N/est	N/est	N/est
POLYDIMETHYLSILOXANE					
N/est	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:	BLACK
Boiling Range:	Not Available
Vapor Pressure (mmHg):	Not Available
Melting Point:	Not Applicable
Evaporation Rate:	Unavailable
% Volatile	Not Available
Specific Gravity:	1.75

## SECTION X - STABILITY AND REACTIVITY

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

## REACTIVITY:

### INCOMPATIBILITY:

OXIDIZING AGENTS, WATER.

### CONDITIONS TO AVOID:

HIGH TEMPERATURES.

### HAZARDOUS DECOMPOSITION PRODUCTS:

CARBON MONOXIDE, CARBON DIOXIDE.

## 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:

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

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## **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:**

04024 PART B DOES NOT CONTAIN ANY CHEMICAL, KNOWN BY THE STATE OF CALIFORNIA, TO CAUSE CANCER/REPRODUCTIVE TOXICITY.

## **SECTION XVI - OTHER INFORMATION**

### **DISCLAIMER:**

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