

# MATERIAL SAFETY DATA SHEET

MSDS Name: DOUBLE BUBBLE BLACK  
MSDS Number: 07774#2  
Version Number: G  
MSDS Date: JUN-20-2005  
Page Number: 1 of 6

---

## SECTION I - PRODUCT AND COMPANY INFORMATION

Product Name: DOUBLE BUBBLE BLACK  
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 ADDUCT  
Trade Name: DOUBLE BUBBLE BLACK  
Product Code: (04006) PART B

## SECTION II - INGREDIENT AND HAZARD INFORMATION

Hazardous Ingredients CAS Number

NONYL PHENOL 84852-15-3

4,4 ISOPROPYLIDENEDIPHENOL 80-05-7

\*\*\* 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:

CORROSIVE TO THE SKIN. MAY CAUSE SENSITIZATION. SKIN SENSITIZATION MAY BE EVIDENCED BY RASHES, ESPECIALLY HIVES. MAY BE TOXIC IF ABSORBED THROUGH THE SKIN.

---

# MATERIAL SAFETY DATA SHEET

MSDS Name: DOUBLE BUBBLE BLACK  
MSDS Number: 07774#2  
Version Number G  
MSDS Date: JUN-20-2005  
Page Number: 2 of 6

---

## INHALATION:

VAPORS MAY BE CORROSIVE TO THE UPPER RESPIRATORY TRACT. REPEATED OR PROLONGED EXPOSURE CAN RESULT IN LUNG DAMAGE. LUNG DAMAGE MAY BE EVIDENCED BY SHORTNESS OF BREATH, ESPECIALLY ON EXERTION, AND MAY BE ACCOMPANIED BY A CHRONIC COUGH. MAY CAUSE RESPIRATORY SENSITIZATION IN SUSCEPTIBLE INDIVIDUALS. MAY BE MODERATELY TOXIC IF INHALED.

## INGESTION:

CORROSIVE AND MAY CAUSE SEVERE AND PERMANENT DAMAGE TO MOUTH, THROAT AND STOMACH. MAY BE MODERATELY TOXIC IF SWALLOWED.

## AGGRAVATED MEDICAL CONDITIONS:

PREEXISTING EYE, SKIN AND RESPIRATORY DISORDERS MAY BE AGGRAVATED BY EXPOSURE TO THIS PRODUCT.

## SUPPLEMENTAL HEALTH INFORMATION:

ALTHOUGH THE SIGNIFICANCE IS UNKNOWN, A COMPONENT OF THIS PRODUCT HAS BEEN FOUND TO INCREASE THE FREQUENCY OF SISTER CHROMATID EXCHANGE. IT WAS ALSO FOUND TO BE POSITIVE IN THE UNSCHEDULED DNA MUTAGENICITY ASSAY. MICROBIAL TESTS AND IN VITRO GENE MUTATION ASSAYS WERE NEGATIVE. A LIFETIME SKIN PAINTING STUDY DID NOT RESULT IN CARCINOGENICITY.

HISTOPATHOLOGICAL EFFECTS OF THE KIDNEY, LIVER, SPLEEN AND ADRENALS WERE OBSERVED IN TWO RAT LIFETIME FEEDING STUDIES.

IN A REPRODUCTIVE STUDY ON RATS, BISPHENOL A (80-05-7) CAUSED PATERNAL TOXICITY, REPRODUCTIVE, KIDNEY AND LIVER EFFECTS AND FETOXICITY AT DOSES OF 0.5% AND 1.0% OF THE DIET. NO SIGNIFICANT TREATMENT RELATED EFFECTS WERE SEEN AT 0.25% OF THE DIET. IN OTHER REPRODUCTIVE STUDIES, BISPHENOL A PRODUCED FETOTOXICITY IN MICE AT MATERNALLY TOXIC DOSES, BUT NOT IN RATS.

## 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 PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. GET MEDICAL ATTENTION.

---

# MATERIAL SAFETY DATA SHEET

MSDS Name: DOUBLE BUBBLE BLACK  
MSDS Number: 07774#2  
Version Number G  
MSDS Date: JUN-20-2005  
Page Number: 3 of 6

---

## 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 IIIIB  
Flash Range: Not Available  
Pensky-Martens Closed Cup ASTM D 93  
>200F  
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
-----------	-------------	------------	-----------	----------

---

# MATERIAL SAFETY DATA SHEET

MSDS Name: DOUBLE BUBBLE BLACK  
MSDS Number: 07774#2  
Version Number: G  
MSDS Date: JUN-20-2005  
Page Number: 4 of 6

---

NONYL PHENOL	N/est	N/est	N/est	N/est	N/est
4,4 ISOPROPYLIDENEDIPHENOL	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.

## EXPOSURE LIMITS:

DOW CHEMICAL HAS ESTABLISHED AN EXPOSURE GUIDELINE FOR 4,4 ISOPROPYLIDENEDIPHENOL, IN GRANULAR FORM, OF 5MG/M3.

## SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Form:	LIQUID
Appearance/Color:	AMBER
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:

---

# MATERIAL SAFETY DATA SHEET

MSDS Name: DOUBLE BUBBLE BLACK  
MSDS Number: 07774#2  
Version Number G  
MSDS Date: JUN-20-2005  
Page Number: 5 of 6

---

HIGH TEMPERATURES.  
HAZARDOUS DECOMPOSITION PRODUCTS:  
CARBON MONOXIDE, CARBON DIOXIDE, NITROGEN OXIDES, AMMONIA.

## SECTION XI - TOXICOLOGICAL INFORMATION

Lethal Dose Information (ppm)	Oral	Skin	Inhale	LC50
-------------------------------	------	------	--------	------

## 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, N.O.S.
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

---

# MATERIAL SAFETY DATA SHEET

MSDS Name: DOUBLE BUBBLE BLACK  
MSDS Number: 07774#2  
Version Number G  
MSDS Date: JUN-20-2005  
Page Number: 6 of 6

---

CANADA (DSL)  
EUROPE

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

JAPAN  
AUSTRALIA  
KOREA  
CHINA  
PHILIPPINES

**SCHEDULE B NUMBER:**

3506.91.0000 IS THE SCHEDULE B EXPORT CLASSIFICATION NUMBER.

**PROPOSITION 65 INFORMATION:**

04006 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 HERE-  
UNDER WITH RESPECT TO INFORMATION OR THE PRODUCT TO WHICH  
INFORMATION REFERS.