

MATERIAL SAFETY DATA SHEET

PC750 Part B

MANUFACTURER: Adurel International Inc
ADDRESS: 820 Water St. Racine WI 53403
PHONE #: 800-860-5834
MSDS NUMBER: PC750 Part B
CAS NUMBER: 101-68-8
DATE PREPARED: 1/1/06
EMERGENCY PHONE #: Emergency Phone: (PERS 800-633-8253 domestic
801-629-0667 International)

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SECTION I – MATERIAL IDENTIFICATION AND INFORMATION

Components – Chemical Name & Common Names
(Hazardous Components 1% or greater: Carcinogens 0.1% or greater)

CHEMICAL NAME (COMMON NAME)	CAS #	%	OSHA PEL (PPM)	ACGIH TLV (PPM)	OTHER LIMITS RECOMMENDED
Diphenylmethane diisocyanate (MDI)		99			
Dimers and trimers of MDI		1			
Non-Hazardous Ingredients					
Total		100			

SECTION II – PHYSICAL/CHEMICAL CHARACTERISTICS

- BOILING POINT:** 392° at 5 mm Hg
- SPECIFIC GRAVITY:** (water = 1) 1.2 at 20/4°C
- VAPOR PRESSURE:** 0.003 mm Hg at 77°C
- MELTING POINT:** 37°C
- VAPOR DENSITY:** 8.6 (air = 1)
- EVAPORATION RATE:** N/A
- SOLUBILITY IN WATER:** Soluble in many organic solvents
- WATER REACTIVE:** N/A
- APPEARANCE & ODOR:** White to pale yellow liquid

SECTION III – FIRE AND EXPLOSION DATA

- 1) **FLASH POINT& METHOD:** 425°F/218°C (COC)
- 2) **AUTO-IGNITION TEMPERATURE:** NDA
- 3) **FLAMMABILITY LIMITS IN AIR % BY VOLUME:** NDA LEL: NDA UEL: NDA
- 4) **EXTINGUISHER (MEDIA):** Dry chemical, carbon dioxide, foam, or water fog.
- 5) **SPECIAL FIRE FIGHTING PROCEDURES:** For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus. See hazardous decomposition products. Read the entire MSDS.
- 6) **UNUSUAL FIRE AND EXPLOSION HAZARDS:** Some of these materials may burn, but none of them ignites readily. Container may explode violently in the heat of fire.

SECTION IV – REACTIVITY HAZARD DATA

- 1) **STABILITY:** Stable
- 2) **CONDITIONS TO AVOID:** N/A
- 3) **INCOMPATIBILITY (Materials to Avoid):** Keep away from strong oxidizing agents. Avoid contamination with water, acids, carbon dioxide, or strongly alkaline materials. Contamination with these materials may produce extreme pressure resulting in the explosive rupture of closed containers.
- 4) **HAZARDOUS DECOMPOSITION PRODUCTS:** Normal combustion forms carbon dioxide and water vapor and may produce oxides of nitrogen; incomplete combustion can produce carbon monoxide. Thermal decomposition may produce hydrogen cyanide, benzene, toluene, and acetaldehyde at temperatures above 500°F.
- 5) **HAZARDOUS POLYMERIZATION:** Will not occur. Conditions to avoid: N/A

SECTION V – HEALTH HAZARD DATA

- 1) **PRIMARY ROUTES OF ENTRY:**
 - a. Inhalation - yes
 - b. Skin absorption - yes
 - c. Ingestion - no
- 2) **CARCINOGEN LISTED IN:**
 - a. NTP – no
 - b. IARC MONOGRAPH – no
 - c. OSHA – no
- 3) **HEALTH HAZARDS**
 - a. ACUTE: See emergency first aid procedures.
 - b. CHRONIC: See emergency first aid procedures.
- 4) **SIGNS AND SYMPTOMS OF EXPOSURE:** Depending on concentration and length of exposure, breathing vapor or mist can produce signs and symptoms which may include coughing, shortness of breath, bronchial irritation, chest discomfort, and reduced pulmonary function.
- 5) **MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Breathing this material at concentrations in air that exceed the federal OSHA exposure standards can cause respiratory irritation or discomfort and may cause an allergic respiratory response which may result in asthma-like attacks.

- 6) **EMERGENCY FIRST AID PROCEDURES:** Seek medical assistance for further treatment, observation and support if necessary
- 7) **EYE CONTACT:** Flush eyes immediately with fresh water for at least 15 minutes while holding the eyelids open. If irritation persists, see a doctor. Chemical safety goggles must be worn if there is any chance of contact with eyes.
- 8) **SKIN CONTACT:** Remove heavily contaminated clothing and wash skin thoroughly with soap and water. Launder contaminated clothing. Discard contaminated non-waterproof shoes and boots.
- 9) **INHALATION:** If there are signs or symptoms as described in this bulletin to breathing this material, move the person to fresh air. If breathing has stopped, apply artificial respiration. Call a doctor.
- 10) **INGESTION:** If swallowed, give water or milk to drink and telephone for medical advice. Consult medical personnel before inducing vomiting. If medical advice cannot be obtained, then take the person and product container to the nearest medical emergency treatment center.

SECTION VI – CONTROL AND PROTECTIVE MEASURES

- 1) **RESPIRATORY PROTECTION (Specify type):** Wear approved respiratory protection such as a self-contained breathing apparatus or an air-supplying respirator unless ventilation is adequate to keep airborne concentrations below the federal OSHA exposure standard.
- 2) **PROTECTIVE GLOVES:** Recommended
- 3) **EYE PROTECTION:** Chemical safety goggles
- 4) **VENTILATION TO BE USED:**
- Local exhaust (see other)
 - Mechanical ventilation (general) (see other)
 - Special (see other)
- 5) **OTHER (Specify):** Use adequate ventilation to keep the airborne concentrations of this material below the federal OSHA exposure standards.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE/LEAKS

- 1) **STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:**
- Stop source of the leak or release.
 - Clean up releases as soon as possible, observing precautions in the Special Protective Information section.
 - Contain liquid to prevent further contamination of soil, surface water, or ground water.
 - Clean up small spills using appropriate techniques such as absorbent materials or pumping.
 - Where feasible and appropriate, remove contaminated soil.
 - Follow prescribed procedures for reporting and responding to larger releases.
- 2) **WASTE DISPOSAL METHODS:**
- Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.
 - Contact local environmental or health authorities for approved disposal of this material.
- 3) **ENVIRONMENTAL IMPACT:** This material may be toxic to aquatic organisms and should be kept out of sewage and drainage systems and all bodies of water.
- 4) **PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:**