



**MATERIAL SAFETY DATA SHEET**  
U.S. Department of Labor  
Occupational Safety & Health Administration

## POLAFLOOR P.U.R. BRUSHABLE – PART A

### **SECTION 1 - IDENTIFIERS**

**MANUFACTURER:** Andek Corporation  
**ADDRESS:** 850 Glen Avenue, Moorestown, NJ 08057  
**TELEPHONE:** 1-856-786-6900  
 In an emergency, contact CHEMTREC 1-800- 424-9300;  
 Outside the United States call +1-703-527-3887  
**TRADE NAME:** Polafloor P.U.R. Brushable - Part A  
**CHEMICAL FAMILY:** Diphenylmethane Isocyanate

### **SECTION 2 – HAZARD IDENTIFICATION & EMERGENCY OVERVIEW**

**Emergency Overview:** Toxic gases may be given off during burning or thermal decomposition. Closed container may forcibly rupture under extreme heat or when contents have been contaminated with water. Causes skin and eye irritation and/or burns. May cause allergic skin reaction or skin sensitization. May cause respiratory tract irritation, allergic reaction, or sensitization. Causes severe gastrointestinal damage if swallowed.

#### **Effects of Overexposure:**

**SKIN:** Prolonged or repeated contact may cause skin irritation and/or result in skin sensitization or other allergic response.  
**EYES:** Irritation and redness from direct eye contact.  
**BREATHING:** Breathing vapor may result in irritation to the respiratory tract.  
**SWALLOWING:** Low acute oral toxicity (LD 50 > 2,000 Mg/Kg for rats).

### **SECTION 3 - COMPOSITION**

COMPONENT	CAS #	APPROX %	TLV
Diphenylmethane Isocyanate	101-68-8	100.0	

### **SECTION 4 – FIRST AID MEASURES**

**SKIN:** Wash thoroughly with soap and water. Launder clothing before reuse.  
**EYES:** Flush with clear water for 15 minutes and seek immediate medical attention.  
**BREATHING:** Move victim to fresh air if effects occur. Consult medical personnel.  
**SWALLOWING:** Induce vomiting if large amounts ingested. Low toxicity, no specific antidote.

### **SECTION 5 – FIRE & EXPLOSION HAZARD DATA**

**FLASH POINT (METHOD USED):** 475°F (Pensky Martens Closed Cup).  
**FLAMMABLE LIMITS:** N/A  
**EXTINGUISHING MEDIA:** Foam; CO<sub>2</sub>; Dry chemical.  
**SPECIAL FIRE FIGHTING PROCEDURES:** None  
**UNUSUAL FIRE & EXPLOSION HAZARDS:** None  
**DECOMPOSITION PRODUCTS:** Thermal decomposition yields oxides of carbon and nitrogen.

### **SECTION 6 – SPILL OR LEAK PROCEDURES**

Contain spill with absorbent material. If necessary, soak contaminated area with 5% acetic acid and wash with water.

### **SECTION 7 – HANDLING & STORAGE**

Store in a dry area away from heat. Keep container sealed until ready for use.

### **SECTION 8 – PERSONAL PROTECTION/EXPOSURE CONTROLS**

**RESPIRATORY PROTECTION (SPECIFY TYPE):** During mixing, a NIOSH approved dust mask should be worn; otherwise unnecessary.  
**EYE PROTECTION:** Safety glasses with side shields.  
**SKIN PROTECTION:** Rubber or polyethylene gloves.  
**OTHER PROTECTIVE EQUIPMENT:** Adequate clothing to prevent direct contact with skin.  
**PERSONAL HYGIENE:** Wash thoroughly after work shift. Launder clothing before reuse.

**SECTION 9 - PHYSICAL DATA**

BOILING POINT (F)	Decomposes	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	1.1
VAPOR PRESSURE	None	PERCENT, VOLATILE BY VOLUME	0
VAPOR DENSITY (AIR=1)	None	EVAPORATION RATE (N.B.A.=1)	0
SOLUBILITY IN WATER	Insoluble	pH	7.5

APPEARANCE & ODOR - Heavy off-white paste when mixed, with slight ammoniacal odor.

**SECTION 10 - REACTIVITY DATA**

STABILITY: Stable.

INCOMPATIBILITY (MATERIALS TO AVOID): Avoid strong bases.

HAZARDOUS DECOMPOSITION PRODUCTS: None under normal conditions.

HAZARDOUS POLYMERIZATION: May occur.

CONDITIONS TO AVOID: Excess heating over a large period of time. When large quantities are mixed, high exotherm yields considerable heat build up.

**SECTION 11 – TOXICOLOGICAL INFORMATION**

KNOWN CARCINOGENS OR MUTAGENS - TYPE & DEFINITION – None known

**SECTION 12 – ECOLOGICAL INFORMATION**

Based on information for MDI and polymeric MDI, material is practically non-toxic to aquatic organisms on an acute basis (LC50 greater than 100 mg/L in most sensitive species). Material reacts with water, forming insoluble polyurea which is stable.

**SECTION 13 – DISPOSAL CONSIDERATIONS**

Dispose of in accordance with local, state and federal regulations in approved metal container.

**SECTION 14 – TRANSPORT INFORMATION**

PROPER SHIPPING NAME:	Paint
HAZARD CLASS:	None
PACKING GROUP:	N/A
ID#:	N/A
RQ:	N/A

TRANSPORT LABELS REQUIRED: This material is not regulated by the D.O.T.

**SECTION 15 – REGULATORY INFORMATION**

See reference data for individual components.

**SECTION 16 – OTHER INFORMATION (HMIS RATING)**

Health	2
Flammability	1
Physical Hazard	1
Personal Protection	H

---

**Disclaimer:** Andek Corporation (Andek) believes, to the best of its knowledge, information and belief, the information contained herein to be accurate and reliable as of the issue date of this Material Safety Data Sheet (MSDS). However, because the conditions of handling, use, and storage of these materials are beyond Andek's control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials and make no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations contained in this MSDS are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this information and data and to comply with all applicable international, federal, state, and local laws and regulations.

---