

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

## ENCAPSALL SUPER

### **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: Encapsall Super  
CHEMICAL FAMILY: Urethane Prepolymer Solution

### **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.

Effects of Overexposure:

SKIN: Liquid may irritate skin.

EYES: Contact may cause severe damage; vapor may irritate.

BREATHING: Inhalation may cause headache, dizziness, nausea and irritation of respiratory tract.

SWALLOWING: May be harmful or fatal if swallowed.

### **SECTION 3 - COMPOSITION**

COMPONENT	CAS #	APPROX %	TLV
Iron Oxide	1309-37-1	16.2	
Barium Sulfate	7727-43-7	13.8	
Naphtha, Light Aromatic Solvent	64742-95-6	10.0	
Chlorinated Paraffin	8002-74-2	16.2	
Methylene Bisphenyl Isocyanate	101-68-8	2.8	
Polyether Prepolymer (Isocyanate Solution) boiling point <300°C; flash point >23°C)	N.O.S.	31.5	
Aromatic Hydrocarbon Resin	64742-90-1	9.5	

KNOWN CARCINOGENS OR MUTAGENS - TYPE & DEFINITION – None known

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

SKIN: Clean thoroughly with waterless hand cleaner, then follow with soap and water.

EYES: Flush with water for 15 minutes and seek immediate medical attention.

BREATHING: Move victim to fresh air. If asthmatic conditions occur, call a physician.

SWALLOWING: Do NOT induce vomiting; seek immediate medical attention.

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

FLASH POINT (METHOD USED): 108°F. Closed Cup (ASTM D50).

FLAMMABLE LIMITS: Lel 0.9; Uel 6.0.

EXTINGUISHING MEDIA: Carbon dioxide; dry chemical; foam.

SPECIAL FIRE FIGHTING PROCEDURES: If excessive fumes or smoke is encountered, wear self-contained respiratory equipment and full protective clothing.

UNUSUAL FIRE & EXPLOSION HAZARDS: Sealed containers may build up pressure if exposed to heat (fire). Water can be used to cool the exterior of the containers.

DECOMPOSITION PRODUCTS: Oxides of carbon, nitrogen, aluminum, possible HCN, polyurethane combustion compounds and halogens.

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

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Cover with a layer of sand or other suitable absorbent. Use protective measures as outlined under Section 8 below. Avoid contact with eyes, skin or clothing.

**SECTION 7 – HANDLING & STORAGE****PRECAUTIONS TO BE TAKEN IN HANDLING:**

Avoid contact with moisture. Isocyanates react with water and generate CO<sup>2</sup> which may rupture sealed containers. Store between 40° and 80°F.

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

**RESPIRATORY PROTECTION (SPECIFY TYPE):** In confined spaces use fresh air hood or NIOSH certified organic vapor canister unit. If used outdoors, ventilate well using a general or local exhaust ventilation.

**EYE PROTECTION:** Wear chemical splash goggles or face shield. Do not wear contact lenses while working with this material.

**SKIN PROTECTION:** Nitrile rubber gloves and apply a solvent-resistant barrier cream to areas of skin that may come in contact with this material.

**OTHER PROTECTIVE EQUIPMENT:** Eye wash station or fresh running water should be readily available. Wear coveralls and/or rubber apron and rubber shoes or boots.

**PERSONAL HYGIENE:** Wash hands thoroughly after handling and especially before eating or smoking. Shower at the end of the work shift. Wash contaminated clothing before reuse.

**SECTION 9 – PHYSICAL DATA**

BOILING POINT (F)	312°	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	1.2
VAPOR PRESSURE	10	PERCENT, VOLATILE BY VOLUME	18.0
VAPOR DENSITY (AIR=1)	<4.8	EVAPORATION RATE (N.B.A.=1)	0.2
SOLUBILITY IN WATER	Insoluble	pH (5% SLURRY)	Neutral

APPEARANCE & ODOR - Black liquid with aromatic solvent odor.

**SECTION 10 – REACTIVITY DATA**

**STABILITY:** Stable.

**INCOMPATIBILITY (MATERIALS TO AVOID):** Water (moisture); alcohols; amines; strong acids and bases.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Possible HCN.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**CONDITIONS TO AVOID:** Contamination with water will evolve CO<sup>2</sup>.

**SECTION 11 – TOXICOLOGICAL INFORMATION**

See reference data for individual components

**SECTION 12 – ECOLOGICAL INFORMATION**

See reference data for individual components

**SECTION 13 – DISPOSAL CONSIDERATIONS**

Dispose of in accordance with existing federal, state, and local environmental laws.

**SECTION 14 – TRANSPORT INFORMATION**

PROPER SHIPPING NAME:	Paint
HAZARD CLASS:	3
PACKING GROUP:	3
ID #:	UN 1263
RQ:	None

**TRANSPORT LABELS REQUIRED:** Flammable liquid. (In the U.S., this material may be re-classified as a combustible liquid and is not regulated in containers less than 119 gallons via surface transportation.)

**SECTION 15 – REGULATORY INFORMATION**

See reference data for individual components

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

Health	2
Flammability	2
Physical Hazard	1
Personal Protection	H

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