



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

**WEARCOAT 44 (Part A)**

**SECTION 1 - IDENTIFIERS**

MANUFACTURER: Andek Corporation  
ADDRESS: 850 Glen Avenue, Moorestown, NJ 08057  
TELEPHONE: (856) 786-6900 or emergency (800) 424-9300 (CHEMTREC)  
TRADE NAME: Wearcoat 44 (Part A)  
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: May cause dermal sensitization. May be absorbed through skin.

EYES: Contact may cause severe damage. Vapor may irritate.

BREATHING: Inhalation may cause headache, dizziness, nausea and irritation. Inhalation of spray mist may be toxic.

SWALLOWING: Harmful or fatal if swallowed.

**SECTION 3 - COMPOSITION**

COMPONENT	CAS #	APPROX %	TLV
Isophorone Diisocyanate Homopolymer	53880-05-0	43.0	N/A
Naptha, Light Aromatic Solvent	64742-95-6	46.0	N/A
Methyl Amyl Ketone	110-43-0	10.0	50.0ppm TWA
Isophorone Di-isocyanate	4098-71-9	<1.0	0.005 ppm

KNOWN CARCINOGENS OR MUTAGENS - TYPE & DEFINITION – None known

**SECTION 4 – FIRST AID MEASURES**

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

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

BREATHING: Move victim to fresh air and give artificial respiration or oxygen if needed.

SWALLOWING: DO NOT induce vomiting. Seek immediate medical attention.

## SECTION 5 – FIRE & EXPLOSION HAZARD DATA

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FLASH POINT (METHOD USED): 105°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 breathing apparatus and full protective equipment.

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 and nitrogen, possible HCN and polyurethane combustion compounds.

## SECTION 6 – SPILL OR LEAK PROCEDURES

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

## SECTION 7 – HANDLING & STORAGE

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CAUTION: Flammable liquid. Keep away from all sources of ignition. Use with adequate ventilation. Avoid prolonged or repeated contact with skin. Avoid contact with moisture. Store between 40°F and 80°F.

## SECTION 8 – PERSONAL PROTECTION/EXPOSURE CONTROLS

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RESPIRATORY PROTECTION (SPECIFY TYPE): In confined spaces use fresh air hood or NIOSH certified organic vapor canister unit. If used indoors, 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 to prevent skin contact.

OTHER PROTECTIVE EQUIPMENT: Coveralls and/or apron, rubber shoes or boots, eye wash station or fresh running water should be readily available.

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

## SECTION 9 - PHYSICAL DATA

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<b>BOILING POINT (F)</b>	312°	<b>SPECIFIC GRAVITY (H2O=1)</b>	0.93
<b>VAPOR PRESSURE</b>	10	<b>PERCENT, VOLATILE BY VOLUME</b>	56%
<b>VAPOR DENSITY (AIR=1)</b>	4.8	<b>EVAPORATION RATE (N.B.A.=1)</b>	0.25
<b>SOLUBILITY IN WATER</b>	Insoluble	<b>pH (5% SLURRY)</b>	Neutral

APPEARANCE & ODOR - Clear liquid with sweet, perfume-like odor.

## SECTION 10 - REACTIVITY DATA

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STABILITY: Stable.

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

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

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Excessive heat and/or wet conditions.

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**SECTION 11 – TOXICOLOGICAL INFORMATION**

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See reference data for individual components.

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**SECTION 12 – ECOLOGICAL INFORMATION**

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See reference data for individual components.

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**SECTION 13 – DISPOSAL CONSIDERATIONS**

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

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**SECTION 14 - TRANSPORT INFORMATION**

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PROPER SHIPPING NAME: Paint

HAZARD CLASS: 3

PACKING GROUP: III

ID #: UN 1263

RQ: None

TRANSPORT LABELS REQUIRED: Flammable liquid.

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**SECTION 15 – REGULATORY INFORMATION**

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See reference data for individual components.

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

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Health	2
Flammability	2
Physical Hazard	1
Personal Protection	H

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