



## SAFETY DATA SHEET

U.S. Department of Labor  
Occupational Safety & Health Administration

### Clearcoat AQ

#### SECTION 1 - IDENTIFICATION

MANUFACTURER: Andek Corporation  
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TELEPHONE: 1-856-786-6900  
In an emergency, contact CHEMTREC 1-800- 424-9300;  
Outside the United States call +1-703-527-3887  
PRODUCT IDENTIFIER: Clearcoat AQ  
RECOMMENDED USE: Protective Sealer and Coating

#### SECTION 2 – HAZARD IDENTIFICATION

HAZARD CLASSIFICATION (EFFECTS OF EXPOSURE):

**Skin:** Irritant  
**Eyes:** Reversible  
**Inhalation:** May cause nasal irritation  
**Ingestion:** May cause damage to the digestive tract

**SIGNAL WORD:** Warning

#### HAZARD STATEMENTS:

- May be harmful if swallowed and enters airways
- May be harmful in contact with skin
- Causes mild skin irritation
- Causes eye irritation
- May cause respiratory irritation

#### PICTOGRAMS:



#### PRECAUTIONARY STATEMENTS:

##### **Prevention:**

- Obtain special instructions before use.
- **Do Not** handle until all safety precautions have been read and understood .
- **Do Not** breathe mist or spray.
- **Do Not** get in eyes, on skin, or on clothing.
- Wash thoroughly after handling.
- **Do Not** eat, drink or smoke when using this product.

##### **Response:**

- **Skin:** Wash with plenty of water. If skin irritation or a rash occurs: Get medical advice/attention.
- **Eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do, and continue rinsing. If eye irritation persists get medical advice/attention
- **Inhalation:** Remove person to fresh air and keep comfortable for breathing.
- **Ingestion:** Rinse mouth. **Do Not** induce vomiting.

##### **Storage:**

- **Do Not** allow to freeze. Store at temperature above 40°F and below 90°F

##### **Disposal:**

- Waste disposal should be in accordance with existing federal, state and local environmental control laws.

### **SECTION 3 – COMPOSITION**

<b><u>CHEMICAL NAME</u></b>	<b><u>CAS #</u></b>	<b><u>APPROX %</u></b>
1, 3 Benzene Dicarboxylic Acid Polymer w/Hexanediol, 3 Hydroxy-2 (Hydroxymethyl) 2 Methylpropanoic Acid and 1, 1 Methylenebis (Isocyanate)cyclohexane)	71394-31-5	46.0
N-Methyl-2-Pyrrolidone	872-50-4	18.0
Triethylamine	121-44-8	2.0
Water	7732-18-5	34.0

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

**Skin:** Remove contaminated clothing. Wash contaminated skin with soap and water

**Eyes:** Immediately wash out with plenty of water with the eyelid held wide open.

**Inhalation:** Remove victim to fresh air.

**Ingestion:** Rinse mouth. Do not induce vomiting

Consult a doctor in event of any complaints

### **SECTION 5 – FIRE-FIGHTING MEASURES**

**Flammability of the Product:** May be combustible at high temperature.

**Flash Points:** Closed cup: >93.333°C (>200°F)

**Decomposition products may include the following materials:** carbon dioxide, carbon monoxide, nitrogen oxides

**Fire Fighting Media and Instructions:** SMALL FIRE: Use dry chemical powder.

LARGE FIRE: Use water spray, fog or foam. **Do Not** use water jet.

**Protective Clothing (Fire):** In case of fire and/or explosion **Do Not** breathe fumes. A self-contained breathing apparatus should be used to avoid inhalation of the product.

**Special remarks on fire hazards:** If involved in a fire, it may emit gases which are dangerous for health.

### **SECTION 6 – ACCIDENTAL RELEASE MEASURES**

#### **Personal precautions:**

- Use personal protective equipment as described in section 8.
- Ventilation recommended.

#### **Environmental Precautions and Clean-up Methods:**

- **Do Not** allow to enter sewage system.
- In the event of major spillage: Clean up only under supervision of an expert.
- In the event of minor spillage: Absorb in sand or other inert material.
- Collect spilled material.
- Disposal according to the local legislation.
- Clean up affected area with water

**Note:** See section 8 for personal protective equipment and section 13 for waste disposal. See section 2 for hazards identification

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

#### **Precautions for safe handling:**

- Avoid contact with skin and eyes.
- Use only in well-ventilated areas.
- Handle and open container with care.
- **Do Not** breathe mist or spray.
- Ventilation recommended if spraying.
- Use personal protective equipment as described in section 8.

#### **Recommendations on the conditions for safe storage:**

- Keep container tightly closed in a cool, well-ventilated place.
- Keep container dry.
- Keep away from heat.
- Keep from freezing.

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

**Exposure limits:**

CHEMICAL NAME	PEL	TLV
N-Methyl-2-Pyrrolidone	N/A	10 ppm (8 hr. absorbed through skin)
Triethylamine	40 mg/m <sup>3</sup> (8 hr.)	25 ppm (8 hr. absorbed through skin)

**Engineering controls:**

- Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits
- otherwise follow respiratory protection recommendations.

**Individual protection measures:**

- Use personal protective equipment as described in section 8.
- Ventilation recommended if spraying.

**Inhalation protection:**

- In case of insufficient ventilation, wear suitable respiratory equipment.

**Eye protection:**

- Safety glasses with side shields.

**Skin and body protections:**

- Chemical resistant gloves.
- Wear suitable protective clothing

**Other hygienic practices and protective equipment:**

- Normal good housekeeping, industrial hygiene, and personal hygiene practices should be adhered to.
- Unnecessary, excessive, and/or prolonged personal contact should be avoided.
- Wash hands before eating, drinking, smoking, or using toilet facilities.
- Promptly remove soiled clothing and wash thoroughly before reuse.
- Shower after work using plenty of soap and water.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES:**

**Appearance:** Clear Liquid

**Physical state:** Liquid

**Color:** Transparent with slight haze

**Odor:** Ammonia- like, slightly fishy

**Odor threshold:** None established

**pH:** 8.0

**Melting point/freezing point:** 32°F (0°C)

**Initial boiling point and boiling range:** 212°F (100°C)

**Flash point:** 200°F (93°C)

**Evaporation rate:** 1.2 (water = 1.0)

**Flammability:** Non flammable

**Upper/lower flammability or explosive limits:** None established

**Vapor pressure:** 1.3 Pa (20°C)

**Vapor density:** 7.5 (air = 1)

**Relative density:** 1.0 kg/l

**Solubility :** Miscible with water

**Partition coefficient: n-octanol/water:** None established

**Auto-ignition temperature:** 730°F (388°C)

**Decomposition temperature:** None established

**Viscosity:** 200 centipoise at 20°C

**SECTION 10 – STABILITY AND REACTIVITY**

**Reactivity:** Stable under normal conditions

**Chemical stability:** Stable

**Incompatibility (materials to avoid):** Strong acids, strong bases

**Hazardous decomposition products:** By combustion: CO<sub>2</sub>, CO and oxides of nitrogen

**Conditions to avoid:** Combustion and extreme heat

## **SECTION 11 – TOXICOLOGICAL INFORMATION**

**Oral:** May cause damage to the digestive tract

**Inhalation:** May cause nasal irritation

**Dermal:** Acute exposure can irritate the skin and mucous membranes in humans

**Effects from short and long term exposure:** Acute effects of exposure to Triethylamine vapor in humans can cause eye irritation, cornea swelling and halo vision.

### **Numerical measures of toxicity:**

CHEMICAL NAME	Oral LD50 - Rat	Dermal LD50 - Rabbit	Inhalation LC50
N-Methyl-2-Pyrrolidone	3914 mg/kg	8g/kg	N/A
Triethylamine	460 mg/kg	570 ul/kg	N/A

**Symptoms associated with exposure:** Chronic exposure of humans to Triethylamine vapor has been observed to cause reversible corneal edema. Chronic inhalation exposure has resulted in inflammation of the nasal passages of rats.

**Chemical listed in NTP or IARC?** None listed or classified

## **SECTION 12 – ECOLOGICAL INFORMATION**

Data from toxicity test (aquatic and/or terrestrial organism where available): 5 columns

CHEMICAL NAME	Algae/Aquatic Plants	Fish	Toxicity to Microorganism	Crustacea (Aquatic Invertebrates)
N-Methyl-2-Pyrrolidone	N/A	N/A	N/A	Acute LC50 at 1.23 to 1.5 ppm (48 hrs.) Daphnia magna

**Biodegradation:** Biodegradable

**Bioaccumulation potential:** None reported

**Mobility in soil:** No data available

**Other adverse effects:** No data available

## **SECTION 13 – DISPOSAL CONSIDERATIONS**

### **Disposal of waste:**

- Follow all local, state and federal regulations.
- Regulations vary in different locations. Waste characterization and compliance with applicable laws are the responsibility of the waste generator.

### **Disposal of contaminated packaging:**

- Empty containers contain product residue.
- Observe all precautions for the product.
- **Do Not** reuse container without thorough cleaning and reconditioning.
- Consult applicable regulations regarding disposal of empty containers

## **SECTION 14 – TRANSPORT INFORMATION**

UN #	N/A
UN PROPER SHIPPING NAME:	Paint
HAZARD CLASS:	N/A
PACKING GROUP:	N/A
ENVIRONMENTAL HAZARDS:	N/A
GUIDANCE ON TRANSPORT IN BULK:	N/A

**Transport labels required:** This material is not regulated by D.O.T.

## **SECTION 15 – REGULATORY INFORMATION**

### **US Federal Regulation:**

**SARA 311/312 Hazard Categories:** All of the components of this product are either listed on the TSCA inventory or are not subject to the notification requirements.

### **SARA 313:**

CHEMICAL NAME	CAS #	APPROX %
N-Methyl-2-Pyrrolidone	872-50-4	18.0
Triethylamine	121-44-8	2.0

**US State Right to Know Regulations:** New Jersey, Massachusetts, Pennsylvania, Rhode Island

CHEMICAL NAME	CAS #
N-Methyl-2-Pyrrolidone	872-50-4
Triethylamine	121-44-8

**CA Prop 65**

CHEMICAL NAME	CAS #
N-Methyl-2-Pyrrolidone	872-50-4

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

Health	1
Flammability	0
Physical Hazard	0
Personal Protection	B

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