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

Clearcoat AQ

SECTION 1 - IDENTIFICATION

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
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: Danger

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.
- May damage fertility or the unborn child.

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 40ºF and below 90ºF.

Disposal:

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

SECTION 3 – COMPOSITION

CHEMICAL NAME	CAS #	APPROX %
1, 3 Benzene Discarboxylic Acid Polymer w/Hexanedioic Acid, Hexanediol, 3 Hydroxy-2 (Hydroxymethyl) 2 Methylpropanoate Acid and 1, 1 Methylenebis (Isocyanatocyclohexane)	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/m³ (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: 32ºF (0ºC)
Initial boiling point and boiling range: 212ºF (100ºC)
Flash point: 200ºF (93ºC)
Evaporation rate: 1.2 (water = 1.0)
Flammability: Non flammable
Upper/lower flammability or explosive limits: None established
Vapor pressure: 1.3 Pa (20ºC)
Vapor density: 7.5 (air = 1)
Relative density: 1.0 kg/lt
Solubility: Miscible with water
Partition coefficient: n-octanol/water: None established
Auto-ignition temperature: 730ºF (388ºC)
Decomposition temperature: None established
Viscosity: 200 centipoises at 20ºC

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^2, 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 3,135 mg/l (96 hours) 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

WARNING: This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

SECTION 16 – OTHER INFORMATION (HMIS RATING)

Health	2
Flammability	0
Physical Hazard	0
Personal Protection	B

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