



## SAFETY DATA SHEET

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

### K-Catalyst

#### 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: K-Catalyst  
RECOMMENDED USE: Reinforcement and Coating Thickener

#### SECTION 2 – HAZARD IDENTIFICATION

##### HAZARD CLASSIFICATION (EFFECTS OF EXPOSURE):

**Skin:** Prolonged or repeated contact may cause irritation  
**Eyes:** May cause irritation  
**Inhalation:** Prolonged exposure to dust may cause lung injury  
**Ingestion:** Low acute toxicity

**SIGNAL WORD:** Warning

##### HAZARD STATEMENTS:

- Causes mild skin irritation
- Causes eye irritation
- May cause respiratory irritation

##### PICTOGRAMS:



##### PRECAUTIONARY STATEMENTS:

###### **Prevention:**

- **Do Not** handle until all safety precautions have been read and understood
- **Do Not** breathe dust
- Wear protective gloves/protective clothing/eye protection/face protection
- In case of inadequate ventilation wear respiratory protection
- Wash thoroughly after handling
- **Do Not** eat, drink or smoke when using this product

###### **Response:**

- **Skin:** Wash with plenty of water
- **Eyes:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do, and continue rinsing.
- **Inhalation:** If experiencing respiratory symptoms: Call a POISON CENTER/doctor
- **Ingestion:** Rinse mouth. **Do Not** induce vomiting

###### **Storage:**

- Store in a dry place

###### **Disposal:**

- Waste disposal should be in accordance with existing federal, state and local environmental control laws.
- Incineration is the preferred method.

### **SECTION 3 – COMPOSITION**

<b><u>CHEMICAL NAME</u></b>	<b><u>CAS #</u></b>	<b><u>APPROX %</u></b>
Para-Aramid	26125-61-1	85
Water	7732-18-5	15

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

#### **Skin:**

- Wash with soap and water
- Get medical attention if irritation develops

#### **Eyes:**

- Remove in same manner as one would remove any foreign particle.
- Get medical attention if irritation develops

#### **Inhalation:**

- Move from dusty area to fresh air
- Get medical attention for any breathing difficulty

#### **Ingestion:**

- Swallowing this product is not recommended but should not cause harm

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

**Flash point:** Non-Flammable

**Flammable limits:** N/A

#### **Extinguishing media:**

- This product is not combustible or flammable.
- Use extinguishing agents that are suitable to the surrounding fire; water spray, dry chemical, foam or CO<sup>2</sup>

**Unusual fire & explosion hazards:** Products of combustion may include irritating gases

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

#### **Cleanup procedures:**

##### **Small Spill:**

- If dust is generated, use appropriate respiratory protection.
- Vacuum or scoop material into an appropriately marked container for re-use or disposal.
- Avoid excessive generation of dust.

##### **Large Spill:**

- Use recommended protective clothing and respiratory protection.
- Use shovel to reclaim material.
- Vacuum or scoop material into an appropriately marked container for re-use or disposal.
- Avoid excessive generation of dust.
- It is more effective to clean this product while dry by vacuuming or sweeping.
- Spill area can be washed with water.
- Collect wash water for approved disposal.
- Prevent runoff from entering storm sewers and ditches which lead to natural waterways.

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

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

- Avoid breathing dust.
- Avoid getting in eyes or on skin.
- Wash hands thoroughly after handling.

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

- Store dry at ambient temperature away from food and beverages, excessive heat or flame sources

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

CHEMICAL NAME	PEL - OSHA	TLV - ACGIH
Para-Aramid	5 mg/m <sup>3</sup> (TWA) 8 hr. Respirable fraction	10 mg/m <sup>3</sup> (TWA) Inhalable particles
	15 mg/m <sup>3</sup> (TWA) 8 hr. Total dust	3 mg/m <sup>3</sup> (TWA) Respirable particles

**Engineering controls:**

- Maintain air levels below the recommended exposure limit using process enclosure and exhaust ventilation if necessary.
- Supply sufficient replacement air to make up for air removed by exhaust systems.
- If engineering controls and work practices are not effective in controlling exposures, appropriate personal protective equipment including a NIOSH/OSHA approved respirator should be worn

**Inhalation protection:**

- Workplace ambient dust concentrations should be monitored and if the recommended exposure limit is exceeded,
- A NIOSH/OSHA approved respirator with dust prefilter should be worn

**Eye protection:**

- Wear safety glasses with side shields or goggles.
- Eyewash stations should be available in the workplace

**Skin and body protections:**

- Wear rubber, PVC or leather gloves

**Other hygienic practices and protective equipment:**

- Educate and train employees in the safe use and handling of hazardous chemicals
- Employees should wash their hands and face before eating, drinking, or using tobacco products

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES:****Appearance:** Fibers**Physical state:** Dry fibrous powder**Color:** Gold**Odor:** None**Odor threshold:** None**pH:** None**Melting point/freezing point:** None**Initial boiling point and boiling range:** None**Flash point:** None**Evaporation rate:** None**Flammability (solid, gas):** Not flammable**Upper/lower flammability or explosive limits:** None**Vapor pressure:** None**Vapor density:** None**Relative density:** 1.44 kg/l**Solubility:** insoluble**Partition coefficient: n-octanol/water:** None established**Auto-ignition temperature:** None**Decomposition temperature:** 572°F**Viscosity:** None**SECTION 10 – STABILITY AND REACTIVITY****Incompatibility (materials to avoid):** Strong acids and strong bases**Hazardous decomposition products:**

- Hazardous thermal decomposition products:
  1. nitrogen oxides (NO<sub>x</sub>)
  2. Hydrocarbons
  3. Aldehydes
  4. Hydrogen cyanide (hydrocyanic acid)
  5. Carbon monoxide
  6. Ammonia
  7. anhydrous

## **SECTION 11 – TOXICOLOGICAL INFORMATION**

**Sensitization:** Patch test on human volunteers did not demonstrate sensitization properties

**Further information:** Effects of breathing high concentration of respirable particles may include: Risk of serious damage to the lungs (by inhalation)

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

CHEMICAL NAME	Oral LD50	Dermal	Inhalation
Para-Aramid	>7,500 mg/kg (rat)	No skin irritation (guinea pig and human)	Lung effects (rat)

**Carcinogenicity:** Overall weight of evidence indicates that the substance is not carcinogenic.

### **Mutagenicity:**

- Did not cause genetic damage in cultured mammalian cells.
- Genetic damage in cultured bacterial cells was observed in some laboratory tests but not in others

## **SECTION 12 – ECOLOGICAL INFORMATION**

**Biodegradation:** Not inherently biodegradable

## **SECTION 13 – DISPOSAL CONSIDERATIONS**

### **Waste Disposal:**

- Can be land filled or incinerated, when in compliance with local regulations.
- Do not flush into surface water or sanitary sewer system.

## **SECTION 14 – TRANSPORT INFORMATION**

UN #	None
UN PROPER SHIPPING NAME:	Fiber
HAZARD CLASS:	None
PACKING GROUP:	None
ENVIRONMENTAL HAZARDS:	Not a marine pollutant
GUIDANCE ON TRANSPORT IN BULK	None

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

## **SECTION 15 – REGULATORY INFORMATION**

### **US Federal Regulation:**

**SARA 313 Regulated Chemicals:** This material does not contain any chemical components with known CAS numbers that exceed the thresholds (De Minimis) reporting levels established by SARA title III, Section 13

### **CERCLA Reportable Quantity:**

- 295,884 lbs - Based on the percentage composition of this chemical in the product.: Diundecyl Phthalate Branched And Linear

**CA Prop 65:** Chemicals known to the State of California to cause cancer, birth defects or other reproductive harm: none requiring notification  
N-Methyl-2-pyrrolidone

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

Health	1
Flammability	0
Physical Hazard	0
Personal Protection	E

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