



## SAFETY DATA SHEET

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

# K-Catalyst

## SECTION 1 - IDENTIFICATION

MANUFACTURER: Andek Corporation  
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In an emergency, contact CHEMTREC 1-800- 424-9300;  
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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**

<u>CHEMICAL NAME</u>	<u>CAS #</u>	<u>APPROX %</u>
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<sub>2</sub>.

**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 reuse 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 reuse 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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