



SAFETY DATA SHEET

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

K-Catalyst

SECTION 1 - IDENTIFICATION

MANUFACTURER: Andek Corporation
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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

CHEMICAL NAME	CAS #	APPROX %
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 CO₂.

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 ³ (TWA) 8 hr. Respirable fraction	10 mg/m ³ (TWA) Inhalable particles
	15 mg/m ³ (TWA) 8 hr. Total dust	3 mg/m ³ (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_x)
 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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