

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

K CATALYST

SECTION 1 - IDENTIFIERS

MANUFACTURER: Andek Corporation
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 In an emergency, contact CHEMTREC 1-800- 424-9300;
 Outside the United States call +1-703-527-3887
 TRADE NAME: K Catalyst
 CHEMICAL FAMILY: Aramid Pulp

SECTION 2 – HAZARD IDENTIFICATION & EMERGENCY OVERVIEW

Emergency Overview: No significant hazard other than exposure to dust by inhalation during handling.

Effects of Overexposure:

SKIN: May irritate.
 EYES: Possible mechanical irritation.
 BREATHING: May cause irritation to the upper respiratory tract.
 SWALLOWING: Non-toxic.

SECTION 3 - COMPOSITION

COMPONENT	CAS #	APPROX %	TLV
Poly(terephthaloychloride/P-Phenylenediamine) (Para-Aramid)	26125-61-1	89	
Water	7732-18-5	7	
Sodium Sulfate	7757-82-6	4	

KNOWN CARCINOGENS OR MUTAGENS - TYPE & DEFINITION – None known

SECTION 4 – FIRST AID MEASURES

SKIN: Remove contaminated clothing and wash affected areas with soap and water. Wash contaminated clothing before reuse.
 EYES: Flush with clear water for 15 minutes and seek medical attention.
 BREATHING: If large amounts of fumes, dust, or fibers are inhaled, remove to fresh air. If breathing is difficult, give oxygen and call a physician.
 SWALLOWING: In case of panic or gastro-intestinal distress, call a physician.

SECTION 5 – FIRE & EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): Ignitable at oxygen index 29.
 FLAMMABLE LIMITS: Burning ceases upon removal of ignition source.
 EXTINGUISHING MEDIA: Water, foam, dry chemical, CO₂.
 SPECIAL FIRE FIGHTING PROCEDURES: Full emergency equipment with self-contained breathing apparatus and full protective clothing should be worn. During a fire, irritating, toxic gasses and smoke are present from decomposition/combustion.
 UNUSUAL FIRE & EXPLOSION HAZARDS: 'K' Catalyst may produce electrostatic discharge that could ignite flammable vapors, if present.
 DECOMPOSITION PRODUCTS: Carbon dioxide, nitrogen oxides, small amounts of hydrogen cyanide, ammonia, aldehydes, aliphatic hydrocarbons, and other toxic gases depending on conditions of combustion.

SECTION 6 – SPILL OR LEAK PROCEDURES

Bag securely; label as containing respirable fibers.

SECTION 7 – HANDLING & STORAGE

Since this material is non-biodegradable, do not flush to surface water or sanitary sewer system.

SECTION 8 – PERSONAL PROTECTION/EXPOSURE CONTROLS

RESPIRATORY PROTECTION (SPECIFY TYPE): Local exhaust ventilation may be utilized. Respiratory protection using NIOSH/MSHA - approved respirator or disposable dust mask (3M Model N95 8210 or equivalent).

EYE PROTECTION: Safety glasses or goggles.

SKIN PROTECTION: Impermeable gloves are recommended.

OTHER PROTECTIVE EQUIPMENT: Eye wash station or fresh clean water.

PERSONAL HYGIENE: Wash contaminated clothing before re-use. Wash thoroughly after using this product.

SECTION 9 - PHYSICAL DATA

MELTING POINT (F)	Does not melt	SPECIFIC GRAVITY (H ₂ O=1)	1.0
VAPOR PRESSURE	N/A	PERCENT, VOLATILE BY VOLUME	4.0
VAPOR DENSITY (AIR=1)	N/A	EVAPORATION RATE (N.B.A.=1)	N/A
SOLUBILITY IN WATER	Insoluble	pH	7.5

APPEARANCE & ODOR - Yellow, fluffy pulp with no discernable odor.

SECTION 10 - REACTIVITY DATA

STABILITY: Stable.

INCOMPATIBILITY (MATERIALS TO AVOID): None.

HAZARDOUS DECOMPOSITION PRODUCTS: Fumes requiring venting are produced above 400°C.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Heat and flames above 400°C.

SECTION 11 – TOXICOLOGICAL INFORMATION

See reference data for individual components.

SECTION 12 – ECOLOGICAL INFORMATION

Non-biodegradable; does not leach toxic material.

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state and federal environmental regulations regarding non-RCRA regulated waste material.

SECTION 14 – TRANSPORT INFORMATION

DOT – non-regulated.

SECTION 15 – REGULATORY INFORMATION

See reference data for individual components.

SECTION 16 – OTHER INFORMATION (HMIS RATING)

Health	1
Flammability	0
Physical Hazard	0
Personal Protection	E

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