

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

“T” CATALYST

SECTION 1 - IDENTIFIERS

MANUFACTURER: Andek Corporation
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 TRADE NAME: 'T' Catalyst
 CHEMICAL FAMILY: Complex Alkanolamine Titanate

SECTION 2 – HAZARD IDENTIFICATION & EMERGENCY OVERVIEW

Emergency Overview: Not considered to be hazardous. Some individuals may find the odor to be unpleasant.

Effects of Overexposure:

SKIN: May cause skin irritation.

EYES: May cause redness, swelling and tearing of the eyes. Vapor may irritate.

BREATHING: May cause irritation to the upper respiratory tract.

SWALLOWING: Highly damaging to the digestive tissue lining. Harmful or fatal if swallowed.

SECTION 3 - COMPOSITION

COMPONENT	CAS #	APPROX %	TLV
Complex Alkanolame Titanate	68784-47-4	60	
Diethylene Glycol	111-46-6	38	
Naptha	64742-49-0	1	
Isopropanol	67-63-0	1	

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. If redness, itching, or a burning sensation develops, get medical attention.

EYES: Flush with clear water for 15 minutes and seek immediate medical attention.

BREATHING: Only high temperatures may generate vapors that may irritate.

SWALLOWING: Get medical attention. Do NOT induce vomiting. Wash mouth with water and give milk to drink if conscious.

SECTION 5 – FIRE & EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED): 180°F Pensky Marten C.C.

FLAMMABLE LIMITS: Not established.

EXTINGUISHING MEDIA: Dry chemical; carbon dioxide; alcohol resistant foam; do not use water jet.

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: Closed container may explode when exposed to extreme heat. Use cold water spray to cool containers.

DECOMPOSITION PRODUCTS: When heated to point of decomposition, toxic oxides of nitrogen, carbon monoxide, and carbon dioxide are produced.

SECTION 6 – SPILL OR LEAK PROCEDURES

Remove ignition sources from spill area and evacuate non-essential personnel. Ventilate the area and equip clean-up crew with appropriate protective equipment. Dike or impound spilled material and control further spillage if feasible. Cover spill with absorbent material, collect and place in a clean, dry container. Handle as combustible waste.

SECTION 7 – HANDLING & STORAGE

Is combustible - avoid heat and open flames. Store between 50° and 104°F.

SECTION 8 – PERSONAL PROTECTION/EXPOSURE CONTROLS

RESPIRATORY PROTECTION (SPECIFY TYPE): Respiratory protection is not required while handling this product under normal conditions of use. Local exhaust if used indoors.

EYE PROTECTION: Safety glasses or goggles. Contact lenses should not be worn while using this product.

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

BOILING POINT (F)	437°	SPECIFIC GRAVITY (H ₂ O=1)	1.2
VAPOR PRESSURE (21°C)	0.01 pa	PERCENT, VOLATILE BY VOLUME	40
VAPOR DENSITY (AIR=1)	>1	EVAPORATION RATE (N.B.A.=1)	<1
SOLUBILITY IN WATER	Miscible	pH at 10% solution	8.0

APPEARANCE & ODOR - Clear to slightly yellow liquid with a sweet odor.

SECTION 10 - REACTIVITY DATA

STABILITY: Stable under normal conditions.

INCOMPATIBILITY (MATERIALS TO AVOID): Oxidizing agents, copper and copper alloys.

HAZARDOUS DECOMPOSITION PRODUCTS: None unless heated to decomposition.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Avoid heat and open flames - material is combustible.

SECTION 11 – TOXICOLOGICAL INFORMATION

See reference data for individual components.

SECTION 12 – ECOLOGICAL INFORMATION

See reference data for individual components.

SECTION 13 – DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state and federal regulations. Do NOT heat or cut empty container with electric or gas torch.

SECTION 14 – TRANSPORT INFORMATION

PROPER SHIPPING NAME:	Paint
HAZARD CLASS:	3
PACKING GROUP:	3
ID #:	UN 1263
RQ:	None

TRANSPORT LABELS REQUIRED: Combustible liquid. (In the U.S., this material is not regulated in containers less than 119 gallons via surface transportation.)

SECTION 15 – REGULATORY INFORMATION

See reference data for individual components.

SECTION 16 – OTHER INFORMATION (HMIS RATING)

Health	1
Flammability	2
Physical Hazard	0
Personal Protection	B

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