



TETRA Technologies, Inc.

Material Safety Data Sheet

This MSDS Sheet complies with the style format specified by ANSI Z400.1-1993

SECTION 1: CHEMICAL PRODUCT - COMPANY IDENTIFICATION

TETRA Technologies, Inc. (713) 367-1983
25025 I-45 North (800) 327-7817
The Woodlands, Texas 77380

(800) 424-9300 - CHEMTREC (24 Hours Emergency Response)

SUBSTANCES: TETRAvis HEC, Hydroxyethyl Cellulose, Carrying Fluid, Dispersant
TRADE NAME/SYNONYM: TETRAvis L Plus
MSDS CREATION DATE: 11 JUN 96
MSDS REVISION DATE: 07 NOV 01

SECTION 2: COMPOSITION, INFORMATION ON INGREDIENTS

COMPONENTS: TETRAvis HEC, Hydroxyethyl Cellulose, Carrying Fluid, Dispersant
CAS NUMBER: Trade Secret
RTECS NUMBER: Trade Secret
PERCENTAGE: Trade Secret
PROBABLE CONTAMINANTS: Not known

SECTION 3: HAZARDS IDENTIFICATION

NFPA RATINGS: (SCALE 0-4): HEALTH=1 FIRE=1 REACTIVITY=0

EMERGENCY OVERVIEW: Tan liquid with bland odor. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Wash thoroughly after handling. Use only with adequate ventilation.

POTENTIAL HEALTH EFFECTS:

INHALATION: May cause mild irritation of nose and throat.
SKIN CONTACT: Repeated or prolonged contact may result in irritation.
EYE CONTACT: May cause irritation.
INGESTION: May cause some gastrointestinal upset. Low toxicity through ingestion.
CARCINOGEN STATUS: OSHA: No NTP: No IARC: No

SECTION 4: FIRST AID MEASURES

INHALATION: Remove from exposure area to fresh air. Get medical attention if irritation persists.
SKIN CONTACT: Remove contaminated clothing and shoes. Wash affected area with soap and water. Get medical attention if irritation persists.
EYE CONTACT: Flush eyes with large amounts of water or normal saline solution. Get medical attention if irritation persists.
INGESTION: May be harmful or fatal if swallowed; do not induce vomiting. Get medical attention immediately.
NOTE TO PHYSICIAN: Antidote: No specific antidote.

SECTION 5: FIRE FIGHTING MEASURES

FIRE AND EXPLOSION HAZARD: Slight fire hazard when exposed to heat or flame.
EXTINGUISHING MEDIA: Dry Chemical, carbon dioxide, water spray, or regular foam. For larger fires, use water spray, fog,



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or regular foam.

FIREFIGHTING: Move container from fire area if you can do it without risk. Do not scatter spilled material with high pressure water streams. Dike fire control water for later disposal. Use agents suitable for type of surrounding fire. Avoid breathing vapors or dusts; keep upwind.

HAZARDOUS COMBUSTION PRODUCTS: Thermal decomposition products may include toxic oxides of carbon.

SECTION 6: ACCIDENTAL RELEASE MEASURES

OCCUPATIONAL SPILL: Do not touch spilled material. Stop leak if you can without risk. For small spills, take up with sand or other absorbent material and place into clean, dry containers for later disposal. Limit access to non-essential personnel.

SOIL SPILL: Dig holding area such as lagoon, or pit for containment. Dike flow of spilled material using soil or sandbags or concrete. Use cement powder or fly ash to absorb liquid mass. Neutralize spill with suitable agent.

WATER SPILL: Add suitable agent to neutralize spilled material to pH 7. Use mechanical dredges or lifts to extract immobilized masses of pollution and precipitates.

SECTION 7: HANDLING AND STORAGE

Observe all federal, state, and local regulations when storing this liquid. Store away from incompatible substances. Store in a tightly closed container.

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE LIMITS:

No occupational exposure limits established by OSHA, ACGIH, or NIOSH.

VENTILATION: Provide local exhaust ventilation system.

EYE PROTECTION: Wear safety glasses with splash shields or safety goggles/shield to prevent contact with this liquid.

EMERGENCY WASH FACILITIES: Provide an eye wash fountain and quick drench shower.

CLOTHING: Wear appropriate protective (impervious) clothing and equipment.

GLOVES: Wear appropriate protective gloves.

RESPIRATOR: The NIOSH-MSHA approved respirator selected must be based on contamination levels found in the work place and specific to the job assignment. Do not exceed the working limits of the respirator. Any dust and mist respirator with a full facepiece;

FOR FIREFIGHTING AND OTHER IMMEDIATELY DANGEROUS TO LIFE OR HEALTH

CONDITIONS: Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode. Any supplied-air respirator that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained breathing apparatus operated in pressure-demand or other positive-pressure mode.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

DESCRIPTION: Tan liquid with bland odor.

WATER SOLUBILITY: Dispersible.

BOILING POINT: No data available.

SPECIFIC GRAVITY: 0.98

VAPOR DENSITY: 5.1



SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: Stable under normal temperatures and pressures.
CONDITIONS TO AVOID: Avoid contact with heat.
INCOMPATIBILITIES: Heat.
HAZARDOUS DECOMPOSITION: Thermal decomposition products may release toxic oxides of carbon.
POLYMERIZATION: Hazardous polymerization has not been reported to occur under normal temperatures and pressures.

SECTION 11: TOXICOLOGICAL INFORMATION

No data available.

SECTION 12: ECOLOGICAL INFORMATION

No data available.

SECTION 13: DISPOSAL INFORMATION:

Observe all federal, state and local regulations when disposing of this liquid.

SECTION 14: TRANSPORT INFORMATION

DOT Shipping Name-ID Number: Non-regulated.

SECTION 15: REGULATORY INFORMATION

TSCA STATUS:	Yes
CERCLA SECTION 103:	No
SARA SECTION 302, 304, 313:	No
SARA SECTIONS 311.312	No
OSHA Process Safety	No
California Proposition 65	No

SECTION 16: OTHER INFORMATION

Individuals handling this product should be informed of the recommended safety precautions and should have access to this information.

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any other processes. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy themselves as to the suitability and completeness of such information for their own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.

TETRA reserves the right to refuse shipment of this material to any consumer who fails to demonstrate the ability to consistently



handle and use it safely and in compliance with all applicable laws, rules and regulations. Such demonstration may require on-site inspection of any or all storage, processing, packaging, and other handling systems that come in contact with it.

Customers are responsible for compliance with local, state, and federal regulations that may be pertinent in the storage, application, and disposal of this product.