



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, Incorporated

25025 I-45 North
The Woodlands, Texas 77380
(281) 367-1983
(800) 327-7817

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

PRODUCT: PseudoPol™

TRADE NAMES/SYNONYMS: None

CHEMICAL FAMILY: Mixture

MSDS CREATION DATE: 28 NOV 96

MSDS REVISION DATE: 17 DEC 96

SECTION 2: COMPOSITION, INFORMATION ON INGREDIENTS

The specific identification of this product is proprietary. It will be provided in accordance with the provisions of 29 CFR Part 1910.1200(i) in the event of a medical emergency.

COMPONENTS: Mixture of petroleum distillates, high molecular weight synthetic polymer, carrying fluid and dispersants

CAS NUMBER: Petroleum distillates: 64742-47-8; the remaining components and mixture are proprietary

PERCENTAGE: Proprietary mixture

PROBABLE CONTAMINANT: Not known

SECTION 3: HAZARDS IDENTIFICATION

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

EMERGENCY OVERVIEW: Clear to light yellow or white liquid. Mild, slight hydrocarbon odor. May cause skin and eye irritation. Do not get in eyes, on skin or on clothing. Do not ingest. If ingested do not induce vomiting. Avoid breathing mist or vapors. Keep container tightly closed. Wash thoroughly after handling. Use only with adequate ventilation.



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POTENTIAL HEALTH EFFECTS:

INHALATION:

Short Term Effects: May cause irritation. Additional effects may include headaches, nausea, or unconsciousness.

Long Term Effects: No information or data is available.

SKIN CONTACT:

Short Term Effects: May cause irritation or rash; may cause itching. Prolonged contact may cause severe irritation.

Long Term Effects: No information or data is available.

EYE CONTACT:

Short Term Effects: May cause irritation. Additional effects may include tearing.

Long Term Effects: No information or data is available.

INGESTION:

Short Term Effects: May cause nausea, sore throat, stomach pain and disorientation. If swallowed, may be aspirated resulting in inflammation and possible fluid accumulation in the lungs.

Long Term Effects: No information or data is available.

CARCINOGEN STATUS:

OSHA: No **NTP:** No **IARC:** No

SECTION 4: FIRST AID MEASURES

INHALATION: Remove from exposure area to fresh air immediately. If breathing has stopped, perform artificial resuscitation. Keep person warm and at rest. Treat symptomatically and supportively. Get medical attention immediately.

SKIN CONTACT: Remove contaminated clothing and shoes immediately. Wash affected area with soap or mild detergent and large amounts of water until no evidence of product remains (at least 15-20 minutes). If symptoms develop or persist seek medical attention.

EYE CONTACT: Flush eyes immediately with large amounts of water or normal saline solution, occasionally lifting upper and lower lids until no evidence of product remains (at least 15-20 minutes). Get medical attention immediately.

INGESTION: DO NOT INDUCE VOMITING. Treat symptomatically and supportively. Get medical attention immediately. If vomiting occurs, keep head lower than hips to prevent aspiration.

NOTE TO PHYSICIAN: Antidote:

No specific antidote. Treat symptomatically and supportively. Gastric lavage using a cuffed endotracheal tube may be performed at your discretion.



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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 or regular foam (1996 North American Emergency Response Guidebook, RSPA P 5800.7).

FIREFIGHTING: Move container(s) from fire area if you can without risk. Apply cooling water to sides of containers. Extinguish fire using agent suitable for type of surrounding fire and/or chemicals. Do not use water directly on material. Avoid breathing vapors; keep upwind. Dike area to prevent runoff and contamination of water sources.

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 in containers for disposal. For larger spills, dike far ahead of spill for later disposal. In offshore waters utilize sorbent pads and booms to prevent run-off from platform. Isolate hazard area and deny entry to non-essential personnel.

SECTION 7: HANDLING AND STORAGE

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

SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

EXPOSURE LIMITS: No occupational exposure limits established by OSHA/ACGIH/NIOSH.

VENTILATION: Provide local exhaust ventilation system.

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

EMERGENCY WASH FACILITIES: Where there is any possibility that an employee's eyes and/or skin may be exposed to this product, the employer should provide an eye wash fountain and quick drench shower within the immediate work area for emergency use.

CLOTHING: Wear appropriate protective (impervious) clothing and equipment to prevent repeated or prolonged skin contact with this product.

GLOVES: Wear appropriate protective gloves to prevent contact with this product.



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RESPIRATOR: If a respirator is utilized, the selection 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. Respirators must also be jointly approved by the National Institute for Occupational Safety and Health and the Mine Safety and Health Administration (NIOSH-MSHA). These respirators are ranked from minimum to maximum respiratory protection as listed below:

- Any air-purifying full facepiece respirator with a high-efficiency organic vapor cartridge;
- Any powered air-purifying respirator with a tight-fitting facepiece and high-efficiency organic vapor cartridge;
- Any Type 'C' supplied-air respirator with a full facepiece operated in pressure-demand or other positive-pressure mode or with a full facepiece, helmet or hood operated in continuous-flow mode;
- Any self-contained breathing apparatus with a full facepiece operated in pressure-demand or other positive-pressure mode.

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: Clear to light yellow or white liquid

ODOR: Mild, slight hydrocarbon

MELTING POINT: Not applicable

BOILING POINT: 415-460°F(213-238°C)

SPECIFIC GRAVITY: 1.02 @ 60°F (25°C)

WATER SOLUBILITY: Dispersible

VAPOR DENSITY: >1

VISCOSITY: 50-1000 cp @ 75°F(23.8°C)



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SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: Stable under normal temperatures and pressures.

CONDITIONS TO AVOID: May burn but does not ignite readily.

INCOMPATIBILITIES: No data available.

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

POLYMERIZATION: Hazardous polymerization has not been reported to occur under normal temperatures and pressures.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICITY DATA: No data are available for PseudoPol™.

CARCINOGEN STATUS: None.

TARGET EFFECTS: No data available.

INHALATION:

Acute Exposure: No data available.

Chronic Exposure: No data available.

SKIN CONTACT:

Acute Exposure: No data available.

Chronic Exposure: No data available.

EYE CONTACT:

Acute Exposure: No data available.

Chronic Exposure: No data available.

INGESTION:

Acute Exposure: No data available.

Chronic Exposure: No data available.

SECTION 12: ECOLOGICAL INFORMATION

ENVIRONMENTAL IMPACT RATING (0-4): No data available.

ACUTE AQUATIC TOXICITY: No data available.

DEGRADABILITY: No data available.

LOG BIOCONCENTRATION FACTOR (BCF): No data available.

LOG OCTANOL/WATER PARTITION COEFFICIENT: No data available.



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SECTION 13: DISPOSAL INFORMATION

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

SECTION 14: TRANSPORT INFORMATION

DOT Shipping Name-ID Number: Non-regulated.

SECTION 15: REGULATORY INFORMATION

	TSCA STATUS:	Yes
	DSL STATUS:	Yes
	EINECS STATUS	Yes
40 CFR 302.4	CERCLA SECTION 103:	No
40 CFR 355.30	SARA SECTION 302:	No
40 CFR 355.40	SARA SECTION 304:	No
40 CFR 372.65	SARA SECTION 313:	No
29 CFR 1910.119	OSHA Process Safety	No
	California Proposition 65	No
40 CFR 370.21	SARA HAZARD CATEGORIES, SARA SECTIONS 311.312	
	ACUTE HAZARD:	No
	CHRONIC HAZARD:	No
	FIRE HAZARD:	No
	REACTIVITY HAZARD:	No
	SUDDEN RELEASE HAZARD:	No



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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 product designated and may not be valid for such product 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 Technologies, Incorporated reserves the right to refuse shipment of this product 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.