

TETRA Technologies, Inc.

MATERIAL SAFETY DATA SHEET



PAYZONE®STAY

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1. PRODUCT AND COMPANY IDENTIFICATION

TETRA Technologies, Inc. 25025 I-45 North The Woodlands, TX 77380	CHEMTREC (24-Hr Emergency Response):	(800) 424-9300
	Poison Control:	(800) 222-1222
	Nonemergency Customer Service:	(281) 367-1983
Substance:	PayZone® Stay	
Synonyms:	TETRASTAY™	
Chemical Family	Aqueous solution of polyquaternary amine chloride and inorganic salts	
MSDS Creation Date:	04 Feb 98	
MSDS Revision Date:	29 Oct 04	

2. COMPOSITION, INFORMATION ON INGREDIENTS

CAS Number	Wt %	Component Name	RTECS Number
Proprietary	Proprietary	Polyquaternary amine chloride	Proprietary
Proprietary	Proprietary	Inorganic salts	Proprietary
7732-18-5	Proprietary	Water	ZC0110000

The composition information on this product is proprietary. In the event of a medical emergency, spill or fire, compositional information will be revealed to a physician, nurse, or responding emergency personnel.

3. HAZARDS IDENTIFICATION

NFPA/HMIS III Ratings (Scale 0-4):	Health – 1 Fire – 0 Reactivity – 0
Emergency Overview:	Colorless to amber colored liquid with strong odor. May cause irritation to the eyes and skin. Use with adequate ventilation. Wash hands and skin after using. Promptly remove contaminated clothing and wash before reuse. Low toxicity through dermal absorption.
Potential Health Effects:	
Inhalation:	May cause slight mucous membrane irritation of nose and throat and upper respiratory tract.
Skin Contact:	May produce irritation.
Eye Contact:	May produce irritation.
Ingestion:	Ingestion is not an expected pathway in the industrial environment. May cause nausea, vomiting and diarrhea, if ingested.
Carcinogen Status:	OSHA – No NTP – No IARC – No

4. FIRST AID MEASURES

Eye Contact:	Immediately wash eyes with large amounts of water while holding eyelids open. Seek medical attention if any discomfort continues.
Skin Contact:	Remove contaminated clothing and shoes, and clean before re-use. Wash affected area thoroughly with soap and water. Seek medical attention if any discomfort continues.
Inhalation:	Move the exposed person to fresh air at once. Perform artificial respiration if breathing has stopped. If breathing is labored, administer oxygen. Seek emergency medical attention if needed.
Ingestion:	Do not induce vomiting. Give at least two large glasses of water. Never give anything by mouth to an unconscious person. If fluids are vomited, give more liquids. Seek emergency medical attention.

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Notes to Physician:	Treat symptomatically and supportively.
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5. FIRE FIGHTING MEASURES

Flash Point:	Not applicable.
Extinguishing Media:	Product will not burn. Use appropriate measures to fight surrounding fire. Carbon dioxide (CO ₂). Dry chemicals. Foam. Water spray, fog or mist.
Fire Fighting:	Move product 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 apply direct water stream to hot liquids. Avoid breathing vapors. Wear positive-pressure, self-contained breathing apparatus (SCBA) and protective fire fighting clothing (including fire fighting helmet, coat, pants, boots, and gloves). If protective equipment is not available or not used, fight fire from a protected location or safe distance.
Fire and Explosion Hazard:	Negligible fire hazard when exposed to heat or flames. Container may explode from internal pressure if confined to fire. Cool with water and keep unnecessary people away.
Products of Combustion:	May include carbon dioxide, carbon monoxide and oxides of nitrogen.

6. ACCIDENTAL RELEASE MEASURES

Evacuation and Safety:	Wear appropriate protective gear for the situation. See personal protection information in Section 8.
Containment of Spill:	Limit access to area, as necessary. Shut off leak if it can be done safely. Contain spill. Prevent run-off into sewers, streams or other bodies of water. Dike and pump large spills into salvage containers. Soak up residue and small spills with vermiculite, paper, sand, clay or other absorbent material. Place in salvage containers. Continue to observe handling precautions.
Cleanup and Disposal:	Comply with all federal, state and local regulations for disposal. Dispose of in a permitted industrial landfill.

7. HANDLING AND STORAGE

Handling:	Ventilate well, avoid breathing vapors. Use approved respirator if air contamination is above accepted level. Wear appropriate personal protective equipment. Eye wash and emergency shower must be available at the work place. Observe all federal, state, and local regulations when handling this product.
Storage:	Store in tightly closed containers at moderate temperatures in dry, well-ventilated area. Keep container closed when not in use. Keep in original container. Store containers in upright position. Since emptied containers retain product residue, follow hazard precautions even when empty. Observe all federal, state, and local regulations when storing this product.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:	Provide local exhaust ventilation system. Where there is possibility of exposure, eye wash fountain and safety shower should be provided within the immediate work area for emergency use.
Exposure Limits:	No occupational exposure limits established by OSHA/ACGIH/NIOSH.
Eyes:	Wear chemical safety goggles/faceshield.
Body:	Wear appropriate protective (impervious) clothing.

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Respiratory:	Where exposure levels can exceed the PEL/TLV, use only NIOSH/MSHA approved air purifying or supplied air respirator operated in a positive pressure mode.
Hands and Feet:	Wear appropriate protective chemical resistant gloves and boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description:	Colorless to amber colored liquid.
Odor:	Strong odor.
Boiling Point:	210° to 215°F
Melting Point:	No data available.
Molecular Weight:	No data available.
Specific Gravity (H ₂ O=1):	1.01 to 1.03
pH:	6.5 – 8.5
Water Solubility:	Completely soluble.
Vapor Density (Air=1):	No data available.
Volatility/Vol (%):	50%
Viscosity:	No data available.

10. STABILITY AND REACTIVITY

Stability and Reactivity:	Stable under normal temperatures and pressures.
Incompatibilities:	None known.
Hazardous Decomposition:	Fire may liberate carbon monoxide, carbon dioxide and oxides of nitrogen.
Polymerization:	Will not occur.
Conditions to Avoid:	None.

11. TOXICOLOGICAL INFORMATION

Animal Toxicity Data:	
INGESTION: LD50, rat:	The oral LD50 is greater than 500 mg/kg of body weight. The test article is not considered to be a poisonous material as defined in 49 CFR 173.132(a)(1)(i). All test animals survived the 500 mg/kg oral dose. Instances of diarrhea, soiling and wetness of the anogenital area were noted during the observation period. Body weight changes and necropsy results were normal.
SKIN: LD50, rabbit:	Not a dermal irritant as defined in 49 CFR 173.131(a)(1)(ii), 16 CFR 1500.41 and 16 CFR 1500.3(c)(4). Intact skin: erythema was absent to barely perceptible at 24 hours post dose and absent at 72 hours. There was no edema noted at any time period.
EYES: Rabbit:	Not an ocular irritant as defined in 16 CFR 1500.42(b) and 1500.3(c)(4). There were no abnormal physical signs noted during the observation period. All test animal eyes appeared normal at each observation period.

12. ECOLOGICAL INFORMATION

Environmental Summary: This product has a biodegradation percentage of 85.2% and is considered to have ready biodegradability. Test of ready biodegradability are stringent tests that provide limited opportunity for acclimation and biodegradation to occur. A positive result in a test of ready biodegradability is an indication that the test substance will undergo rapid and ultimate biodegradation in the environment. OECD Guideline 301B has set the standard for ready biodegradability at 60%. This product exceeds this standard for environmental friendliness.

13. DISPOSAL INFORMATION

Observe all federal, state and local regulations when disposing of this substance. Dispose of in a permitted industrial landfill.

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14. DEPARTMENT OF TRANSPORTATION (DOT) TRANSPORT INFORMATION

Shipping Name:	Not regulated
ID Number:	Not applicable
Hazard Class or Division:	Not applicable
Packing Group:	Not applicable
Labeling Requirements:	Not applicable
Packing Authorizations:	
Exceptions:	Not applicable
Non-bulk Packing:	Not applicable
Bulk Packing:	
Quantity Limitations:	
Passenger Aircraft or Railcar:	Not applicable
Cargo Aircraft Only:	Not applicable
Vessel Stowage Requirements:	Not applicable
Emergency Guide Number:	Not applicable

15. REGULATORY INFORMATION

Workplace Classification:	
SARA Title III:	No
TSCA Status:	Yes
CERCLA:	No
OSHA Process Safety:	No
California Proposition 65:	No
WHMIS Classification:	Not determined

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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 users' 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, Inc. 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.