1,2,3,5-TETRAMETHYLBENZENE

CAUTIONARY RESPONSE INFORMATION Common Synonyms Floats on water Wear full impervious protective clothing and approved respirator Restrict access Avoid contact with liquid and vapor. Shut off ignition sources and call fire department. Notify local health and pollution control agencies. Fire Combustible Wear full protective clothing with self-contained breathing apparatus. Extinguish fire with dry chemical, alcohol foam, carbon dioxide. Use water spray to cool exposed containers. CALL FOR MEDICAL AID. **Exposure** Move victim to fresh air If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. Irritating to skin and eyes. Remove contaminated clothing and shoes. Flush affected areas with wa IF IN EYES, hold eyelids open and flush with plenty of water. Effect of low concentrations on aquatic life is unknown. Water May be dangerous if it enters water intake Notify local health and wildlife officials. Notify operators of nearby water intakes. **Pollution**

1. CORRECTIVE RESPONSE ACTIONS

Collection Systems: Skim Chemical and Physical Treatment: Burn Clean shore line

Salvage waterfowl

2. CHEMICAL DESIGNATIONS

- CG Compatibility Group: 32: Aromatic
- Formula: C₆H₂(CH₃)₄
 IMO/UN Designation: Currently not
- available

 DOT ID No.: Not listed.

- CAS Registry No.: 527-53-7 NAERG Guide No.: Not listed Standard Industrial Trade Classification: 51129

3. HEALTH HAZARDS

- 3.1 Personal Protective Equipment: Full impervious protective clothing, including boots and gloves. Where splashing is possible wear full face shield or chemical safety goggles. Use approved respirator to protect against vapors.
- 3.2 Symptoms Following Exposure: Exposure can cause irritation of eyes, nose and throat.
- 3.3 Treatment of Exposure: Call for medical aid. INHALATION: Remove to fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen. EYES: Flush with water for at least 15 min., lifting lids occasionally. SKIN: Remove contaminated clothing and shoes. Flush
- 3.4 TLV-TWA: Not listed
- 3.5 TLV-STEL: Not listed. 3.6 TLV-Ceiling: Not listed.
- 3.7 Toxicity by Ingestion: Grade 2; oral rat LDso = 5.157 a/ka
- 3.8 Toxicity by Inhalation: Currently not available.
- 3.9 Chronic Toxicity: Currently not available
- 3.10 Vapor (Gas) Irritant Characteristics: Vapors cause a slight smarting of the eyes or respiratory system if present in high concentrations. The effect is temporary
- 3.11 Liquid or Solid Characteristics: Minimum hazard. If spilled on clothing and allowed to remain, may cause smarting and reddening of the skin.
- 3.12 Odor Threshold: Currently not available
- 3.13 IDLH Value: Not listed.
- 3 14 OSHA PEL-TWA: Not listed
- 3.15 OSHA PEL-STEL: Not listed.
- 3.16 OSHA PEL-Ceiling: Not listed.
- 3.17 EPA AEGL: Not listed

4. FIRE HAZARDS

- 4.1 Flash Point: 146°F C.C.
- 4.2 Flammable Limits in Air: 0.82 7.72%
- **4.3 Fire Extinguishing Agents:** Dry chemical, alcohol foam, or carbon dioxide.
- 4.4 Fire Extinguishing Agents Not to Be
- 4.5 Special Hazards of Combustion Products: Irritating vapors and toxic gases, such as carbon dioxide and carbon monoxide, may be formed when involved in fire.
- 4.6 Behavior in Fire: Currently not available
- 4.7 Auto Ignition Temperature: 801°F (est.)
- 4.8 Electrical Hazards: Not listed.
- 4.9 Burning Rate: Currently not available
- 4.10 Adiabatic Flame Temperature: Currently not available 4.11 Stoichometric Air to Fuel Ratio: 64.3
- (calc.)
- **4.12 Flame Temperature:** Currently not available
- 4.13 Combustion Molar Ratio (Reactant to Product): 17.0 (calc.)

5. CHEMICAL REACTIVITY

4.14 Minimum Oxygen Concentration for Combustion (MOCC): Not listed

5.1 Reactivity with Water: No reaction.

5.2 Reactivity with Common Materials: Currently not available

5.3 Stability During Transport: Stable.

5.4 Neutralizing Agents for Acids and Caustics: Not pertinent.

5.5 Polymerization: Will not polymerize.

6. WATER POLLUTION

Waterfowl Toxicity: Currently not available

6.3 Biological Oxygen Demand (BOD): Currently not available

Food Chain Concentration Potential: Currently not available

5.6 Inhibitor of Polymerization: Not

6.1 Aquatic Toxicity: Currently not available

6.5 GESAMP Hazard Profile: Bioaccumulation: T
Damage to living resources: 3
Human Oral hazard: -

Human Contact hazard: -

Reduction of amenities:

7. SHIPPING INFORMATION

- 7.1 Grades of Purity: 85%; technical grades.
- 7.2 Storage Temperature: Ambient. 7.3 Inert Atmosphere: No requirement
- 7.4 Venting: Open.
- 7.5 IMO Pollution Category: A
- 7.6 Ship Type: 3
- 7.7 Barge Hull Type: Currently not available

8. HAZARD CLASSIFICATIONS

- 8.1 49 CFR Category: Not listed.
- 8.2 49 CFR Class: Not pertinent.
- 8.3 49 CFR Package Group: Not listed.
- 8.4 Marine Pollutant: No
- 8.5 NFPA Hazard Classification:

Category Classifi Health Hazard (Blue)	Classification		
Health Hazard (Blue)	0		
Flammability (Red)	2		
Instability (Yellow)	0		

- 8.6 EPA Reportable Quantity: Not listed.
- 8.7 EPA Pollution Category: Not listed.
- 8.8 RCRA Waste Number: Not listed
- 8.9 EPA FWPCA List: Not listed

9. PHYSICAL & CHEMICAL **PROPERTIES**

- 9.1 Physical State at 15° C and 1 atm: Liquid 9.2 Molecular Weight: 134.24
- 9.3 Boiling Point at 1 atm: 386.6°F = 197°C = 470°K
- 9.4 Freezing Point: -11.2°F = -24°C = 249°K
- 9.5 Critical Temperature: Currently not available
- 9.6 Critical Pressure: Currently not available
- 9.7 Specific Gravity: 0.896
- 9.8 Liquid Surface Tension: Currently not
- 9.9 Liquid Water Interfacial Tension: Currently
- 9.10 Vapor (Gas) Specific Gravity: Currently not
- 9.11 Ratio of Specific Heats of Vapor (Gas): Currently not available
- 9.12 Latent Heat of Vaporization: Currently not available
- 9.13 Heat of Combustion: Currently not available 9.14 Heat of Decomposition: Currently not
- 9.15 Heat of Solution: Currently not available
- 9.16 Heat of Polymerization: Not pertinent.
- 9.17 Heat of Fusion: Currently not available 9.18 Limiting Value: Currently not available
- 9.19 Reid Vapor Pressure: Currently not available

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9.20 SATURATED LIQUID DENSITY		9.21 LIQUID HEAT CAPACITY		9.22 LIQUID THERMAL CONDUCTIVITY		9.23 LIQUID VISCOSITY	
Temperature (degrees F)	Pounds per cubic foot	Temperature (degrees F)	British thermal unit per pound-F	Temperature (degrees F)	British thermal unit inch per hour-square foot-F	Temperature (degrees F)	Centipoise
	C U R R E N T L Y N O T A V A I L A B L E		C U R R E N T L Y N O T A V A I L A B L E		CURRENTLY NOT AVAILABLE		CURRENTLY NOT AVA-LABLE

9.24 SOLUBILITY IN WATER		9.25 SATURATED VAPOR PRESSURE		9.26 SATURATED VAPOR DENSITY		9.27 IDEAL GAS HEAT CAPACITY	
Temperature (degrees F)	Pounds per 100 pounds of water	Temperature (degrees F)	Pounds per square inch	Temperature (degrees F)	Pounds per cubic foot	Temperature (degrees F)	British thermal unit per pound-F
	C URRENTLY NOT AVAILABLE		C U R R E N T L Y N O T A V A I L A B L E		CURRENTLY NOT AVAILABLE		CURRENTLY NOT AVAILABLE