

TETRADECYLBENZENE

TDB

CAUTIONARY RESPONSE INFORMATION			
Common Synonyms 1-Phenyltetradecane	Liquid	Colorless	Mild odor
Floats on water.			
Keep people away. Avoid contact with liquid and solid. Notify local health and pollution control agencies.			
Fire	Combustible. Extinguish with dry chemicals, foam or carbon dioxide. Water may be ineffective on fire. Cool exposed containers with water.		
Exposure	CALL FOR MEDICAL AID. LIQUID Irritating to skin and eyes. If swallowed will cause nausea and vomiting. Remove contaminated clothing and shoes. Flush affected areas with plenty of water. IF IN EYES, hold eyelids open and flush with plenty of water. IF SWALLOWED and victim is CONSCIOUS, have victim drink water or milk and have victim induce vomiting. IF SWALLOWED and victim is UNCONSCIOUS OR HAVING CONVULSIONS, do nothing except keep victim warm.		
Water Pollution	Effect of low concentrations on aquatic life is unknown. Fouling to shoreline. May be dangerous if it enters water intakes. Notify local health and wildlife officials. Notify operators of nearby water intakes.		

1. CORRECTIVE RESPONSE ACTIONS	2. CHEMICAL DESIGNATIONS	4. FIRE HAZARDS	7. SHIPPING INFORMATION
Stop discharge Contain Collection Systems: Skim Chemical and Physical Treatment: Absorb Clean shore line Salvage waterfowl	2.1 CG Compatibility Group: 32; Aromatic Hydrocarbon 2.2 Formula: $C_{15}(CH_2)_{13}CH_3$ 2.3 IMO/UN Designation: Not listed 2.4 DOT ID No.: Not listed 2.5 CAS Registry No.: Currently not available 2.6 NAERG Guide No.: Not listed 2.7 Standard Industrial Trade Classification: 51129	4.1 Flash Point: Currently not available 4.2 Flammable Limits in Air: Currently not available 4.3 Fire Extinguishing Agents: Foam, dry chemical, carbon dioxide 4.4 Fire Extinguishing Agents Not to Be Used: Water may be ineffective. 4.5 Special Hazards of Combustion Products: Currently not available 4.6 Behavior in Fire: Currently not available 4.7 Auto Ignition Temperature: Currently not available 4.8 Electrical Hazards: Not pertinent 4.9 Burning Rate: 4.42 mm/min. 4.10 Adiabatic Flame Temperature: Currently not available 4.11 Stoichiometric Air to Fuel Ratio: 135.7 (calc.) 4.12 Flame Temperature: Currently not available 4.13 Combustion Molar Ratio (Reactant to Product): 37.0 (calc.) 4.14 Minimum Oxygen Concentration for Combustion (MOCC): Not listed	7.1 Grades of Purity: Commercial 7.2 Storage Temperature: Ambient 7.3 Inert Atmosphere: No requirement 7.4 Venting: Open (flame arrester) 7.5 IMO Pollution Category: D 7.6 Ship Type: Data not available 7.7 Barge Hull Type: Currently not available
3. HEALTH HAZARDS	5. CHEMICAL REACTIVITY	8. HAZARD CLASSIFICATIONS	9. PHYSICAL & CHEMICAL PROPERTIES
3.1 Personal Protective Equipment: Goggles or face shield; rubber gloves 3.2 Symptoms Following Exposure: Ingestion may cause intestinal disturbances. Contact with eyes causes mild irritation. 3.3 Treatment of Exposure: INGESTION: induce vomiting if large amount has been swallowed. EYES: flush with water. SKIN: wipe off; wash with soap and water. 3.4 TLV-TWA: Not listed. 3.5 TLV-STEL: Not listed. 3.6 TLV-Ceiling: Not listed. 3.7 Toxicity by Ingestion: Currently not available 3.8 Toxicity by Inhalation: Currently not available. 3.9 Chronic Toxicity: Currently not available 3.10 Vapor (Gas) Irritant Characteristics: Currently not available 3.11 Liquor or Solid Characteristics: Currently not available 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	5.1 Reactivity with Water: No reaction 5.2 Reactivity with Common Materials: May attack some forms of plastics 5.3 Stability During Transport: Stable 5.4 Neutralizing Agents for Acids and Caustics: Not pertinent 5.5 Polymerization: Not pertinent 5.6 Inhibitor of Polymerization: Not pertinent	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: Not listed 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	9.1 Physical State at 15°C and 1 atm: Solid 9.2 Molecular Weight: 274.47 9.3 Boiling Point at 1 atm: 678°F = 359°C = 632°K 9.4 Freezing Point: 61°F = 16°C = 289°K 9.5 Critical Temperature: Not pertinent 9.6 Critical Pressure: Not pertinent 9.7 Specific Gravity: 0.855 at 20°C (liquid) 9.8 Liquid Surface Tension: 30.27 dynes/cm = 0.03027 N/m at 20°C 9.9 Liquid Water Interfacial Tension: Currently not available 9.10 Vapor (Gas) Specific Gravity: Not pertinent 9.11 Ratio of Specific Heats of Vapor (Gas): Not pertinent 9.12 Latent Heat of Vaporization: 95.18 Btu/lb = 52.88 cal/g = 2.212 X 10 ³ J/kg 9.13 Heat of Combustion: -18,430 Btu/lb = -10,240 cal/g = -428.4 X 10 ³ J/kg 9.14 Heat of Decomposition: Not pertinent 9.15 Heat of Solution: Not pertinent 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
NOTES			

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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
61	53.540	61	0.360	61	1.048	70	7.424
62	53.520	62	0.360	62	1.048	75	6.893
63	53.490	63	0.360	63	1.048	80	6.409
64	53.470	64	0.360	64	1.048	85	5.967
65	53.440	65	0.360	65	1.048	90	5.563
66	53.420	66	0.360	66	1.048	95	5.193
67	53.390	67	0.360	67	1.048	100	4.853
68	53.370	68	0.360	68	1.048	105	4.541
69	53.350	69	0.360	69	1.048	110	4.254
70	53.320	70	0.360	70	1.048	115	3.989
71	53.300	71	0.360	71	1.048	120	3.746
72	53.270	72	0.360	72	1.048	125	3.520
73	53.250	73	0.360	73	1.048	130	3.312
74	53.220	74	0.360	74	1.048	135	3.120
75	53.200	75	0.360	75	1.048	140	2.941
76	53.180	76	0.360	76	1.048		
77	53.150	77	0.360	77	1.048		
78	53.130						
79	53.100						
80	53.080						
81	53.050						
82	53.030						
83	53.010						
84	52.980						
85	52.960						
86	52.930						

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
	I N S O L U B L E		N O T P E R T I N E T		N O T P E R T I N E T		N O T P E R T I N E T